Earth Observing System

Output Data Products and Input Requirements

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Version 2.0

Volume II: Analysis of IDS Input Requirements

Science Processing Support Office (SPSO)

Goddard Space Flight Center

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6.0 INTRODUCTION

On January 18, 1991, NASA confirmed 29 Inter-Disciplinary Science (IDS) teams, each involving a group of investigators, to conduct interdisciplinary research using data products from EOS instruments. These studies are multi-disciplinary and require output data products from multiple EOS instruments, including both FI and PI instruments. The purpose of this volume is to provide information on output products expected from IDS investigators, required input data, and retrieval algorithms. Also included in this volume is the revised analysis of the "best" and "alternative" match data products for IDS input requirements. The original analysis presented in the August 1991 release of the SPSO Report has been revised to incorporate the restructuring of the EOS platform. As a result of the reduced EOS payload, some of EOS instruments were deselected and their data products would not be available for IDS research. Information on these data products is also presented in this volume.

7.0 INTERDISCIPLINARY STUDIES

7.1 Output Products

IDS output data products proposed by 29 investigators are presented in Appendix J. Many of the IDS data products are model outputs and require output products from EOS instruments as well as non-EOS data sources, including conventional measurements. In the subsequent sections, IDS EOS input requirements are discussed. Non-EOS data needed for IDS studies are described in Volume III of this report.

7.2 Analysis of Input Requirements

Listed in Appendix K are input data products required by IDS investigators for their studies. An independent analysis of earlier IDS input requirements was made by Schier and Way (1990). In their analysis, candidate source instruments were identified for each IDS input data product. SPSO further extended this analysis of the IDS input requirements and identified specific corresponding EOS output data products introducing the concept of best and alternative match (BM and AM) products well as source instruments. A best match data product is defined as an EOS data product that closely matches the IDS input requirements in terms of product definition, accuracy, temporal resolution, horizontal resolution and coverage, and vertical resolution and coverage. An alternative match product is a data product which meets the IDS requirements to a lesser degree, in comparison with a best match product.

Appendix L lists the best and the alternative match EOS data products for each of the required IDS input data products. The listing is organized by IDS input data product, arranged alphabetically by IDS investigator. In Appendix L, characteristics of the IDS input data products are given in *italics* for clarity. They are followed by characteristics of the EOS instrument output data products believed to match the specific IDS input requirement. For each of the best and the alternative match data products, information is

given on instrument, platforms, name(s) of the instrument team member(s) responsible for the output product, product ID number used in the Master Product List, match type, absolute and relative accuracy, temporal resolution, horizontal resolution and domain, and vertical resolution and domain (these attributes are described in Tables A-1 through A-4 in Appendix A of Volume I.)

The table in Appendix M is based on the same analysis used to generate the table in the Appendix L: however, it is organized according to the EOS instrument and investigator (generating the product) arranged alphabetically. For each of the proposed EOS instrument output products, all IDS input requirement "matches" are listed, thereby identifying which IDS investigators may need each listed output product. Information on the EOS instrument, platforms, output product, and product number is shown in *italics* for clarity. Following each EOS output product description, information is given on IDS investigator, IDS product number, match type, accuracy (absolute and relative), temporal resolution, horizontal resolution and coverage, and vertical resolution and coverage.

Table 7-1 presents an analysis of the number of IDS investigators (II's) requiring data products from each of the instruments to be launched on various EOS platforms. Note that the number of II's requiring data from a particular instrument <u>does not necessarily indicate the importance of that instrument</u>. Data products from MODIS and AIRS/AMSU-A/MHS are most frequently requested by IDS investigators, followed by those from MIMR, MISR, and ASTER. Twenty IDS investigators require data products from the HIRIS instrument which is not scheduled to fly until the AM-2 platform is launched in 2003. The assignment of HIRIS to the later two satellites of EOS-AM series would impact approximately 71% of the IDS investigators who require the at-launch standard products proposed by the HIRIS team, in that those data products will not become available until 2003.

The SPSO analysis of the IDS input requirement also includes the identification of the IDS input data not available from EOS instruments before 2001. Results of the analysis are presented in Appendix N, which is organized alphabetically by IDS investigator name. The IDS investigator name, required product name, and product number are listed in italics for clarity. For each input data product, the table lists the EOS platform, instrument, EOS investigator, product number, and the match type (e.g., BM and AM), accuracy (absolute and relative), temporal resolution, horizontal resolution and coverage, and vertical resolution and coverage for all products not meeting the input requirements before the year 2001. The IDS input products, which are required for the IDS investigation but will not be produced by any of the EOS instrument teams, are identified and listed in Appendix O. Table 7-2 summarizes the analysis of IDS investigators input product requirements. This lists the IDS investigators name, total number of products required, and number and percentages of these products not available prior to 2001. The table also lists the total number and percentage of the products that will not be available from the EOS instruments at any time in the future, according to the currently planned instrument output data product sets.

Table 7-1. EOS Instruments Required by IDS Investigators 1

PLATFORM	INITIAL LAUNCH	INSTRUMENT CLUSTER	No. of IDS Investigators need the data	% of IDS Invsetigators need the data
AM-1	1998	ASTER	21	75%
		CERES	20	71%
		MISR	22	79%
		MODIS	26	93%
		MOPITT	6	21%
AERO	2000 2	SAGE III	12	43%
PM	2000 2	AIRS	26	93%
	<u> </u>	AMSU-A/MHS	18	64%
		CERES	20	71%
		MIMR	22	79%
		MODIS	26	93%
ALT	2002 2	ALT	10	36%
		GGI	3	11%
		GLRS-A	18	64%
CHEM	2002 2	HIRDLS	10	36%
		SAGE III	12	43%
		STIKSCAT	14	50%
		TES	16	57%
AM-2,-3	2003 2	CERES	20	71%
		EOSP	13	46%
		HIRIS	20	71%
		MISR	22	79%
		MODIS	26	93%
Mission of	TBD	ACRIM	1	4%
Opportunity		SOLSTICE	4	14%
(MO)		MLS 3	9	32%
()		SAFIRE 3	7	25%

^{1.} Not including LeMarshall whose input requirements are unspecified.

^{2.} Subsequent platforms in the series will be launched every 5 years.

^{3.} Descoped beyond 2001 (only one of the instruments will be selected).

Table 7-2. Summary Analysis of IDS Investigators' Input Data Requirements

IDS Investigator	Total No. of Products	No. of Products Not Available Before 2001	% of Products Not Available Before 2001	No. of Products Not Available At All From EOS	Not Available At All From EOS
Abbott	22	6	27%	2	9%
Barron	120	37	31%	20	17%
Bates	87	23	26%	19	22%
Brewer	30	11	37%	3	10%
Batista, Richey	18	5	28%	0	0%
Cihlar	21	3	14%	4	19%
Dickinson	97	13	13%	19	20%
Dozier	10	6	60%	2	20%
Grose	33	30	91%	2	6%
Hansen	41	21	51%	3	7%
Harris	40	13	33%	4	10%
Hartmann	17	4	24%	1	6%
Isacks	41	14	34%	8	20%
Kerr, Sorooshian	57	19	33%	13	23%
Lau	53	10	19%	20	38%
Liu	11	4 .	36%	1	9%
Moore	37	20	54%	8	22%
Mouginis-Mark	23	18	78%	1	4%
Murakami	24	7	29%	4	17%
Pyle	33	29	88%	3	9%
Rothrock	20	2	10%	4	20%
Schimel	18	9	50%	2	11%
Schoeberl	47	33	70%	11	23%
Sellers	26	8	31%	2	8%
Simard	30	10	33%	4	13%
Srokosz	23	9	39%	2	9%
Tapley	4	2	50%	1	25%
Wielicki	46	7	15%	2	4%
TOTAL	1029	373	36%	165	16%

Output Data Products Listed by IDS Investigator

Appendix J

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Appendix J: Output Data Products Listed by IDS Investigator

Product Name	Investigator	Units	Accuracy	пьоста г	Horizonia	
			Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
1460 Heat Phix Latent	Abbott	W/m^2	40 W/m^2 :: TBD	1/wk	50 km :: Ocean [Southern]	:: Sfc
3000 Orsen Current Velocity	Abbott	cm/s		1/day	10 km :: Ocean [Southern]	N/A :: Sfc
2022 Octain California Victoria	Abbett	¥		1/m0	:: Ocean [Southern]	N/A:: T00
Se Ocean Cuiten Vencity, Oceanopine	Abbon	c/s/C/my/o		1/(3 mo)	:: Ocean [Southern]	:: Stc
2102 Ocean Eddy Nursik Cherry	Abbott	EMS ES	4-6cm RMS :: TBD		:: Ocean [Southern]	:: Sfc
	Berries	fraction		2/dav	4.5 x 7.5 dg :: G	:: T0A
2004 Albedo, Planetary Spectral, 10A	Barres	fraction		2/day	2.8 x 2.8 dg :: G	:: TOA
2005 Albedo, Finicary Special, 10A	Darme			7 5000 vrs	5 km :: 2 sites	
21/9 Bedrock Lithology	D The			1/mission	10 km :: Land/R	
2815 Bedrock Lithology	Dataton			1/mission	100 km :: Land	
2816 Bedrock Lithology	Barron	104		10 Cable	4 5 v 7 5 do G	
1786 Cloud Condensation Rate, Total	Barron	kg/m^2/s		2/daw	0.00 C = 0.00 C	
1787 Cloud Condensation Rate, Total	Barron	kg/m^2/s		7,08y	0: 40 CT V CT V	
2064 Cloud Cover	Barron	8		1/03/	A MA OI	
2065 Cloud Cover	Barron	*		(iiiiii)	30 ton :: [EASt. 0.3.]	
2066 Cloud Cover	Barron	8		1/(5 min)	2 km :: [East U.S.]	
2089 Cloud Cover	Barron	fraction		2/day	4.5 x 7.5 dg :: G	
2090 Cloud Cover	Ватгоп	fraction		2/day	2.8 x 2.8 dg :: G	
2117 Cloud Emissivity	Ваттоп	fraction		2/day	4.5 x 7.5 dg :: G	
2118 Cloud Emissivity	Вагтоп	fraction		2/day	2.8 x 2.8 dg :: G	
1912 Cloud Lie water Content	Barron	g/cm^3		1/(6 hr)	1 dg :: G	15-20 lvl ::
1013 Cloud in water Content	Barron	g/cm^3		1/(6 hr)	1 dg :: G	15-20 lvl ::
1913 Cloud Ling water Content	Barron	g/kg		1/hr	20-100 km :: R	
1015 Cloud in water Content	Barron	2/kg		1/hr	1 km :: R	
7770 Emsion Chemical Denudation	Barron	mm/kyr		1/yr	10 km :: Land/R	
2771 Proxime Chemical Denudation	Barron	mm/kyr		1/yr	100 km :: Land	
7787 Frazion Cediment Vield	Barron	kg/km^2		? 5000 yr	5 km :: 2 sites	
2052 Geometrial Gravity Field	Ваттоп	m^2/s^2		2/day	4.5 x 7.5 dg :: G	
	Ваттоп	m^2/s^2		2/day	2.8 x 2.8 dg :: G	
	Barron	W/m^2		1/day	200 km :: R	
1404 Heat Flux Convergence, Eddy	Barron	W/m^2		1/(5 day)	2.5 dg :: G	10 M ::
1405 Heat Plux Rate. Latent	Barron	m/s ?		2/day	4.5 x 7.5 dg :: G	
1404 Eleat Phy Rate atent	Barron	m/s ?		2/day	2.8 x 2.8 dg :: G	
1470 Heat Plux Latent	Ваттоп	W/m^2		1/(5 day)	2.5 dg :: G	10 M ::
1480 Heat Plux Sersible	Barron	W/m^2		2/day	4.5 x 7.5 dg :: G	
1481 Heat Plut Sensible	Barron	W/m^2		2/day	2.8 x 2.8 dg :: G	
1401 Heat Day, Seesible	Barron	W/m^2		1/day	10 km :: R	:: Sfc
1402 Heat Day Of	Barron	W/m^2		1/(5 day)	2.5 dg :: G	10 M ::
1400 Head Che Cf.	Barron	W/m^2		1/(5 min)	30 km :: [East. U.S.]	:: Afc
1409 Day Day Of	Barron	W/m^2		1/hr	20-100 km :: R	:: Sfc
1400 How Dies Of	Валгоп	W/m^2		1/(5 min)	500 m :: [East. U.S.]	:: Afc
1491 (Feet Flux, 510	Barron	W/m^2		1/day	200 km :: R	:: Sfc
2100 Hast Day Zonel mean	Barron	W/m^2		1/(5 day)	2.5 dgZM :: G	10 M ::
	Barron	×5×		2/day	4.5 x 7.5 dg :: G	
	Barron	Κ⁄s		2/day	28 x 28 dg :: G	
		7.7		Vehic	0 - 04 5 C 4 5 F	: 25:

Appendix J: Output Data Products Listed by IDS Investigator

rroa Product Name	Investigator	Units	Accuracy	Temporal	Horizontal	Vertical
*			Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
1454 Heating Rate, SW Radiative	Barron	K/s		2/day	2.8 x 2.8 dg :: G	:: Sfc
1455 Heating Rate, U-horizontal_Diffusive	Barron	K/s		2/day	4.5 x 7.5 dg :: G	
1456 Heating Rate, U-horizontal Diffusive	Ваттоп	K/s		2/day	2.8 x 2.8 dg :: G	
1457 Heating Rate, U-horizontal Diffusive	Barron	K/s		2/day	4.5 x 7.5 dg :: G	
1458 Heating Rate, U-horizontal Diffusive	Ваттоп	K/s		2/day	2.8 x 2.8 dg :: G	
1459 Heating Rate, V-horizontal Diffusive	Ваттоп	K/s		2/day	4.5 x 7.5 dg :: G	
1460 Heating Rate, V-horizontal Diffusive	Ваттоп	K/s	The state of the s	2/day	2.8 x 2.8 dg :: G	
1461 Heating Rate, V-horizontal Diffusive	Ваттов	K/s		2/day	4.5 x 7.5 dg :: G	
1462 Heating Rate, V-horizontal Diffusive	Ваттоп	K/s		2/day	2.8 x 2.8 dg :: G	
1443 Heating, Convective	Ваттоп	W/m^3		1/hr	20-100 km :: R	
1444 Heating, Convective	Ваттоп	W/m^3		1/hr	l km :: R	
1445 Heating, East-West Sfc-stress	Ваттоп	J/m^2/s		2/day	4.5 x 7.5 dg :: G	
1446 Heating, East-West Sfc-stress	Ваттоп	J/m^2/s		2/day	2.8 x 2.8 dg :: G	
1449 Heating, Net_Diabatic	Ваттоп	W/m^2		1/(5 day)	2.5 de :: G	: I4 01
1447 Heating, North-South Sfc-stress	Barron	J/m^2/s		2/day	4.5 x 7.5 de :: G	
1448 Heating, North-South Sfc-stress	Barron	J/m^2/s		2/dav	2.8 x 2.8 de :: G	
1829 Humidity	Barron	g/kg		1/hr	20-100 km :: R	
1830 Humidity	Barron	g/kg		1Ar	Frm : R	
1831 Humidity Profile	Barron	g/cm^3		1/(6 hr)	. de :	15.20 №1
1880 Humidity Profile, PBL	Barron	g/kg		1/dav	10 km :: R	- PRI
1439 Humidity, Specific	Ваттоп	g/k		1/(5 min)	30 km :: [Fast U.S.]	
1440 Humidity, Specific	Ваттоп	g/kg		1/(5 min)	500 m :: [East. U.S.]	
1882 Humidity, Specific	Ваттоп	kg/kg		2/day	4.5 x 7.5 dg :: G	
1883 Humidity, Specific	Ваттоп	kg/kg		2/day	2.8 x 2.8 dg :: G	
	Barron	kg/kg/s		2/day	4.5 x 7.5 dg :: G	
1887 Humidity-Change, Specific, Convective_Adjusted	Ваттоп	kg/kg/s		2/day	2.8 x 2.8 dg :: G	
1888 Humidity-Tendency, Specific	Ваттоп	kg/kg/s		2/day	4.5 x 7.5 dg :: G	
1889 Humidity-Tendency, Specific	Ваттоп	kg/kg/s		2/day	2.8 x 2.8 dg :: G	
2945 Ice Sheet Mass balance	Ваттоп	сти/ут		1/yr	100 km :: Antarctica	
2933 Infiltration	Ваттоп	mm/s		1/event, 1/mo, 1/yr	30-90 m :: R	
2934 Infiltration	Ваттоп	mm/s		1/event, 1/mo, 1/yr	900 m :: R	
2935 Infiltration	Barron	mm/s		1/event, 1/mo, 1/yr	18 km :: R	
2486 Land sfc Temperature	Barron	ပ		1/(5 min)	30 km :: [East. U.S.]	- The state of the
2487 Land sfc Temperature	Barron	၁		1/(5 min)	500 m :: [East. U.S.]	
2494 Land_sfc Temperature	Ваттоп	×		2/day	4.5 x 7.5 dg :: G	:: Sfc
2495 Land sfc Temperature	Berron	×		2/day	2.8 x 2.8 dg :: G	:: Sfc
2813 Mineral Flux, XXX Geochemical	Barron	eq/km^2/yr		1/day	1 km :: Land/R	
2814 Mineral Flux, XXX Geochemical	Ваттоп	eq/km^2/yr		1/day	10 km :: Land	
1847 Moisture Flux	Ваттоп	kg (H2O)/m^2		1/mo	10 x 10 km :: N. Atlantic	
1848 Moisture Flux, Sfc	Barron	W/mr^2		1/day	10 km :: R	N/A :: Sfc
1849 Moisture Flux, Sfc	Barron	g/m^2/s		1/(5 min)	30 km :: [East. U.S.]	:: Sfc
1850 Moisture Flux, Sfc	Ваттоп	g/m^2/s		1/hr	20-100 km :: R	:: Sfc
1851 Moisture Flux, Sfc	Ватоп	g/m^2/s		1/(5 min)	500 m :: [East. U.S.]	:: Sfc
1876 Precipitable Water	Ваттоп	g/kg ?		1/hr	20-100 km :: R	
1977 Descipionia Wese	Remon	e/kg ?		1.4.	1 km :: D	

Appendix J: Output Data Products Listed by IDS Investigator

Prod *	Product Name	Investigator	Units	Accuracy Abs :: Rel	Temporal	Horizontal Resol :: Cover	Resol. :: Cover.
*				AUS ACI	Aesoumon	Acsol cores.	
1946	1946 Precipitation Amount, Convective	Ваттоп	m/s ?		2/day	4.5 x 7.5 dg :: G	
1947	Precipitation Amount, Convective	Barron	m/s ?		2/day	2.8 x 2.8 dg :: G	
1952	1952 Precipitation Amount, Large-scale_stable	Barron	m/s ?		2/day	4.5 x 7.5 dg :: G	
1953	Precipitation Amount, Large-scale_stable	Barron	m/s?		2/day	2.8 x 2.8 dg :: G	
1956	1956 Precipitation Amount, Rain	Вытоп	g/cm^3		1/(6 hr)	1 dg :: G	15-20 lvl ::
2994	Precipitation Amount, Snow	Ваттоп	E		2/day	4.5 x 7.5 dg :: G	
2995		Barron	tt.		2/day	2.8 x 2.8 dg :: G	
1985	1985 Precipitation Amount, Snow, Convective	Ваттоп	m/s		2/day	4.5 x 7.5 dg :: G	
1986	Precipitation Amount, Snow, Convective	Barron	m/s		2/day	2.8 x 2.8 dg :: G	
1987	1987 Precipitation Amount, Snow, Large-scale_Stable	Barron	m/s		2/day	4.5 x 7.5 dg :: G	
1988	1988 Precipitation Amount, Snow, Large-scale_Stable	Barron	m/s		2/day	2.8 x 2.8 dg :: G	
1951	1951 Precipitation Conc, Ice	Ваттоп	g/cm^3		1/(6 hr)	1 dg :: G	15-20 M::
1962	Precipitation Rate	Barron	cm/fir		1/4	20-100 km :: R	
1980	1980 Precipitation Rate, Rain	Ваттоп	cm/hr		1/(5 min) [?]	30 km :: [East. U.S.]	
1981	Precipitation Rate, Rain	Barron	cm/hr		1/(5 min) [?]	500 m :: [East. U.S.]	
1521	Pressure	Ваттоп	qш		1/hr	20-100 km :: R	
	Pressure	Ваттоп	q		1/hr	1 km :: R	
1534		Ваттоп	P.		2/day	4.5 x 7.5 dg :: G	N/A :: Sfc
1535	1515 Pressure Sfe	Ватоп	P.		2/day	2.8 x 2.8 dg :: G	N/A :: Sfc
1538	Pressure-Tendency, Sfc	Вастоп	Pa/s		2/day	4.5 x 7.5 dg :: G	N/A :: Sfc
1530	Pressure-Tendency Sfc	Barron	Pa/s		2/day	2.8 x 2.8 dg :: G	N/A :: Sfc
2143		Barron	W/m^2/km		1/(5 day)	2.5 dg :: G	10 M ::
2155		Ваттоп	W/m^2		2/day	4.5 x 7.5 dg :: G	:: T0A
2156		Barron	W/m^2		2/day	2.8 x 2.8 dg :: G	:: T0A
2159		Ваттоп	W/m^2		2/day	4.5 x 7.5 dg :: G	:: Stc
2160	Radiative Flux, LW, Clear-sky	Barron	W/m^2		2/day	2.8 x 2.8 dg :: G	:: Sfc
2161		Barron	W/m^2		2/day	4.5 x 7.5 dg :: G	:: T0A
2162		Barron	W/m^2		2/day	2.8 x 2.8 dg :: G	:: T0A
2139	Radiative Flux, Net Down	Barron	W/m^2		2/day	4.5 x 7.5 dg :: G	
2140	Radiative Flux, Net Down	Barron	W/m^2		2/day	2.8 x 2.8 dg :: G	
2441		Barron	W/m^2		2/day	4.5 x 7.5 dg :: G	
2442	Radiative Flux, Solar, Ave-absorbed	Barron	W/m^2		2/day	2.8 x 2.8 dg :: G	
13	2133 Radiative Flux, Solar, Net Down	Barron	W/m^2		2/day	4.5 x 7.5 dg :: G	:: Sfc
2134	Radiative Flux, Solar, Net Down	Barron	W/m^2		2/day	2.8 x 2.8 dg :: G	:: Stc
244	Radiative Flux, Solar, Sfc Clear-sky	Barron	W/m^2		2/day	4.5 x 7.5 dg :: G	:: Stc
2446	2446 Radiative Flux, Solar, Sfc Clear-sky	Вытоп	W/m^2		2/day	2.8 x 2.8 dg :: G	:: Stc
2443	2443 Radiative Flux. Solar. TOA Clear-sky	Barron	W/m^2		2/day	4.5 x 7.5 dg :: G	:: TOA
2445	Radiative Flux, Solar, TOA Clear-sky	Barron	W/m^2		2/day	2.8 x 2.8 dg :: G	HOT ::
280	2890 River Discharge	Barron	m^3/s	·m·	1/event, 1/mo, 1/yr	30-90 m :: R	
2891	River Discharge	Barron	m^3/s		1/event, 1/mo, 1/yr	900 m :: R	
2892	River Discharge	Barron	m^3/s		1/event, 1/mo, 1/yr	18 km :: R	
2992	2992 Runoff. Soil Moisture	Barron	m/s		2/day	4.5 x 7.5 dg :: G	
2993	Runoff, Soil Moisture	Вастоп	m/s		2/day	2.8 x 2.8 dg :: G	
3143	Sea Ice Conc	Barron	8		1/day	50 km :: Ocean/Cryo	
			8		1/40.	C: 17 2 C - 3 V	_

Appendix J: Output Data Products Listed by IDS Investigator

Prod :	Product Name	Investigator	Units	Accuracy	Temporal	Horizontal	Vertical
.				Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
3147	Sea_Ice Conc, GCM	Ваттоп	26		1/day	2.8 x 2.8 dg :: G	
3176	Sea_lce Conc, Muhi-year	Ваттоп	8		1/seas	50 kg ::	
3179		Berron	8		1/day	50 km :: Ocean/Crvo	
3185	Sea_lce Cover	Витоп	E		1/day	4.5 x 7.5 dg :: G	
3182	Sea_lce Fraction, Open-water	Ваттоп	E		[ice response]	[crit feat] :: [modern ice]	N/A :: Sfc
3186	Sea Ice Max Extent	Ваттол	8		1/day	2.8 x 2.8 dg :: G	
3114	3114 Sea_Level Height-Change	Barron	£		(ice response)	G ave :: G	N/A :: Sfc
2454	Sea_sfc Brightness Temperature (Radiance)	Ваттоп	X		1/(5 day)	2.5 dg :: G	
5963	Soil Moisture	Витоп	E		1/event, 1/mo, 1/vr	30-90 m :: R	
2970	Soil Moisture	Barron	E E		1/event, 1/mo, 1/yr	900 m :: R	AND ADDRESS OF THE PARTY OF THE
2971	Soil Moisure	Barron	mm		1/event, 1/mo, 1/vr	18 km :: R	
3067	Soil Moisture	Вятоп	E		2/day	4.5 x 7.5 dg :: Land	N/A :: Sfc
3068	Soil Moisture	Barron	E		2/day	2.8 x 2.8 dg :: Land	N/A :: Sfc
2955	Surface Water Saturated Area	Barron			1/event, 1/mo, 1/vr	30.90 m : R	
2956	Surface Water Saturated Area	Barron			1/event, 1/mo, 1/vr	900 m :: R	
2957	Surface Water Saturated Area	Barron		:	1/event, 1/mo, 1/vr	18 km : R	
1589	Temperature Profile	Berron	×		2/day	4.5 x 7.5 de :: G	
28	1590 Temperature Profile	Ваттоп	٥		1/(5 min)	30 km :: [East. U.S.]	
1591	Temperature Profile	Ваттоп	×		1	20-100 km :: R	
1592	Temperature Profile	Barron	×		2/day	2.8 x 2.8 dg :: G	
1593	Temperature Profile	Ваттол	ပ		1/(5 min)	500 m :: [East, U.S.]	
1594	Temperature Profile	Barron	Ж		1 4 1	1 km :: R	
1628	Temperature, Dry-bulb, PBL	Barron	×		1/day	10 km :: R	:: PBL
1634		Ваттоп	K/s		2/day	4.5 x 7.5 dg :: G	
1635	Temperature-Change, Convective_Adjustment	Barron	K/s		2/day	2.8 x 2.8 dg :: G	
1636	Temperature-Tendency	Barron	K/s		2/day	4.5 x 7.5 dg :: G	
1637	Temperature-Tendency	Barron	K/s		2/day	2.8 x 2.8 dg :: G	
8	2840 Topographic Elevation, Land sfc	Barron	km		7 5000 yr	5 km :: 2 sites	
1792	Vegetation Evapotrans	Валтоп	W/m^2?		1/event, 1/mo, 1/yr	30-90 m :: R	
1793	Vegetation Evapotrans	Ваттол	W/m^2?		1/event, 1/mo, 1/yr	900 m :: R	
17 20	Vegetation Evapotrans	Barron	W/m^2?		1/event, 1/mo, 1/yr	18 km :: R	
1506	Vertical Motion	Barron	cm/s		1/Jr	1 km :: R	
1507	Vertical Motion	Barron	cm/s		1/hr	20-100 km :: R	
1504		Barron	Pa/s		2/day	2.8 x 2.8 dg :: G	
1505		Barron	Pa/s		2/day	4.5 x 7.5 dg :: G	
1508	Vertical Motion, Omega	Ваттол	Pa/s		1/(6 hr.)	D: gp I	15-20 lvl ::
1704	Wind Direction	Barron	dg		1/(5 min)	30 km :: [East. U.S.]	
1705	Wind Direction	Barron	dg		1/(5 min)	500 m :: [East. U.S.]	
1721	Wind Speed	Barron	m/s		1/(5 min)	30 km :: [East. U.S.]	
1722	Wind Speed	Веттоп	m/s		1/(5 min)	500 m :: [East. U.S.]	
723	1723 Wind Speed	Barron	m/s		1/hr	20-100 km :: R	
1724	Wind Speed	Barron	m/s		1/hr	1 km :: R	
736	1736 Wind Speed, Meridional	Barron	m/s		2/day	4.5 x 7.5 dg :: G	
1737	Wind Speed, Meridional	Ваттоп	m/s		2/day	2.8 x 2.8 dg :: G	

Appendix J: Output Data Products Listed by IDS Investigator

Prod	Product Name	Investigator	Units	Accuracy	I empora	חסטסחומו	
*				Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
1741 Win	Wind Speed, Zonal	Ваттоп	m/s		2/day	2.8 x 2.8 dg :: G	
1558 Win	Wind Stress, Meridional	Ваттоп	N/m^2		2/day	2.8 x 2.8 dg :: G	Sfc ::
750 Win	1750 Wind Stress, Meridional	Валтоп	N/m^2		2/day	4.5 x 7.5 dg :: G	Sfc ::
1747 Win	Wind Stress, Zonal	Barron	N/m^2	- Internal Control	2/day	4.5 x 7.5 dg :: G	Sfc ::
748 Win	1748 Wind Stress, Zonal	Ваттоп	N/m^2		2/day	2.8 x 2.8 dg :: G	Sfc ::
1696 Win	Wind U Tendency	Barron	m/s^2		2/day	2.8 x 2.8 dg :: G	
1698 Win	Wind U Tendency	Валтоп	m/s^2		2/day	4.5 x 7.5 dg :: G	
1647 Win	Wind V Tendency	Ваттоп	m/s^2		2/day	4.5 x 7.5 dg :: G	
1648 Win	Wind V Tendency	Barron	m/s^2		2/day	2.8 x 2.8 dg :: G	
3163 Win	Wind Velocity	Ваттоп	km		[ice response]	[crit feat] :: [modern ice]	N/A :: Sfc
1377 Acc	Acceleration, Diffusive Meridional	Bates	m/s^2		1/(4-6 hr)	50 km :: G	25 lyr :: 1000-0.1 mb
376 Acc	1376 Acceleration, Diffusive Zonal	Bates	m/s^2		1/(4-6 hr)	50 km :: G	25 lyr :: 1000-0.1 mb
2083 Clo	Cloud Cover. Cirrus	Bates	dimensionless		1/(20 min)	50 km :: G	N/A :: High_cloud
2085 Clo	Cloud Cover, Low-level	Bates	dimensionless		1/(20 min)	50 km :: G	N/A :: Low_Cloud
	Cloud Cover. Mid-level	Bates	dimensionless		1/(20 min)	50 km :: G	N/A :: Mid_Cloud
13% Cb	Cloud Height, Base, Cirrus	Bates	mp		1/(20 min)	50 km :: G	N/A :: High_cloud
1397 Clo	Cloud Height, Base, Low-level	Bates	mp		1/(20 min)	50 km :: G	N/A :: Low_Cloud
	Cloud Height, Base, Mid-level	Bates	q.		1/(20 min)	50 km :: G	N/A :: Mid_Cloud
1434 Clo	Cloud Height Top Circa	Bales	q _m		1/(20 min)	50 km :: G	N/A :: High_cloud
1435 Clo	Cloud Height, Too, Low-level	Bates	qm		1/(20 min)	50 km :: G	N/A :: Low_Cloud
136 Clo	1436 Cloud Height, Top. Mid-level	Bates	qm		1/(20 min)	50 km :: G	N/A :: Mid_Cloud
468 Clo	2468 Cloud Temperature, Top	Bates	×		1/(20 min)	50 km :: G	N/A :: Low_Cloud
2469 Clo	Cloud Temperature, Top	Bates	×		1/(20 min)	50 km :: G	N/A :: Mid_Cloud
	Cloud Temperature, Top	Bates	K		1/(20 min)	50 km :: G	N/A :: High_cloud
1498 Ge	Geopotential Height	Bates	E		1/(20 min)	50 km :: G	50 lvl :: 1000-0.1 mb
1540 Ge	Geopotential Height RMSE	Bates	E		1/(20 min)	100 km :: G	25 lvl :: 1000-0.1 mb
1471 He	Heat Flux, Latent	Bates	W/m^2		1/(20 min)	50 km :: G	N/A :: Sfc
1483 He	Heat Flux, Sensible	Bates	W/m^2		1/(20 min)	50 km :: G	N/A :: Sfc
1441 He	Heating Rate, Convective	Bates	K/s		1/(4-6 hr)	50 km :: G	25 lyr :: 1000-0.1 mb
1442 He	Heating Rate, Diffusive	Bates	K/s		1/(4-6 hr)	50 km :: G	25 lyr :: 1000-0.1 mb
1452 He	Heating Rate, LW Radiative	Bates	K/s		1/(4-6 hr)	50 km :: G	N/A :: 1000-0.1 mb
1879 Hu	Humidity Profile, Specific	Bates	g/kg		1/(20 min)	50 km :: G	50 lyr :: 1000-0.1 mb
1884 Fh	Humidity, Specific, Near_sfc	Bates	8/8		1/(20 min)	25 km :: G	N/A :: Near_sfc
1885 Hu	Humidity, Specific, Near_sfc	Bates	g/kg		1/(20 min)	50 km :: G	N/A :: Near_sfc
1982 Hu	Humidity-RMSE, Specific	Bates	g/kg		1/(20 min)	100 km :: G	25 lyr :: 1000-0.1 mb
	Land sfc Temperature, Skin	Bates	К		1/(20 min)	50 km :: Land	N/A :: Sfc
	Moistening, Convective	Bates	g/kg/s		1/(4-6 hr)	50 km :: G	25 lyr :: 1000-0.1 mb
	Moisteains. Diffusive	Bates	g/kg/s		1/(4-6 hr)	50 km :: G	25 lyr :: 1000-0.1 mb
30%	Ocean Current Velocity, Meridional	Bates	cm/s			:: Ocean	200 m :: 0-4500 m
	Ocean Current Velocity, Zonal	Bates	cm/s			:: Ocean	200 m :: 0-4500 m
_	Ocean Water Salinity	Bates	00/0			:: Ocean	200 m :: 0-4500 m
3118	Ocean Water Temperature, Internal	Bates	×			:: Ocean	200 m :: 0-4500 m
2843	Orography, Model	Bates	ш			50 km :: G	N/A :: Sfc
1638 PB	PBL Thickness	Bates	B		1/(20 min)	25 km :: G	N/A:: PBL
	and the leave	Dates	E		1//20 min)	C : #3 C	IDD: Y/V

Appendix J: Output Data Products Listed by IDS Investigator

37771	Investigator	Units	Accuracy	Temporal	Horizontal	Vertical
			Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
1942 Precipitation Amount	Bates	шш		1/(4-6 hr)	50 km :: G	N/A :: Sfc
1948 Precipitation Amount, Convective	Bates	an an		1/(4-6 hr)	50 km :: G	N/A :: Sfc
1532 Pressure, Sfc	Bates	qm	1::0.5	1/(20 min)	50 km :: G	N/A :: Sfc [Sea Iv]]
1536 Pressure, Sfc	Bates	ф	1::0.5	1/(20 min)	50 km :: G	N/A :: Sfc
1537 Pressure, Tropopause	Bates	qu		1/(20 min)	50 km :: G	N/A :: Tropopause
1541 Pressure-RMSE, Sfc	Bates	ф		1/(20 min)	100 km :: G	N/A :: Sfc
2166 Radiative Flux, LW, Down	Bates	W/m^2		1/(20 min)	So km :: Land	N/A :: Sfc
2184 Radiative Flux, LW, Up	Bates	W/m^2		1/(20 min)	50 km :: Land	NA:: TOA
2197 Radiative Flux, LW, Up	Bates	W/m^2		1/(20 min)	50 km :: Land	N/A :: Sfc
2219 Radiative Flux, SW, Down	Bates	W/m^2		1/(20 min)	50 km :: Land	N/A :: Sfc
2235 Radiative Flux, SW, Up	Bates			1/(20 min)	50 km :: Land	N/A :: TOA
2243 Radiative Flux, SW, Up	Bates	W/m^2		1/(20 min)	50 km :: Land	N/A :: Sfc
3109 Sea_Level Height	Bates	8			:: Ocean	N/A :: Sfc
3134 Sea_sfc State	Bates			1/2	25 km :: Ocean	N/A :: Sfc
3035 Snow Depth	Bates	E		1/(20 min)	50 km :: Land	N/A :: Sfc
2972 Soil Moisture	Bates	g/cm^2		1/(20 min)	50 km :: Land	:: A/A
1626 Temperature Profile	Bates	~	0.8K :: TBD	1/(20 min)	50 km :: G	50 lvr :: 1000-0.1 mb
1617 Temperature, Dry-bulb, Near_sfc	Bates	×		1/(20 min)	25 km :: G	N/A :: 10 m
1619 Temperature, Dry-bulb, Near_sfc	Bates	K		1/(20 min)	50 km :: G	N/A :: 10 m
1620 Temperature, Dry-bulb, Near_sfc	Bates			1/(20 min)	50 km :: G	N/A :: Near_sfc
1623 Temperature, Dry-bulb, Near_sfc	Bates	×		1/(20 min)	50 km :: G	N/A :: Near_sfc
1618 Temperature, Dry-bulb, PBL	Bates	×		1/(20 min)	50 km :: G	N/A :: PBL [top of]
1621 Temperature, Stratospheric	Bates	×		1/(20 min)	25 km :: G	N/A :: PBL [Top of]
1622 Temperature, Tropospheric	Bates	×		1/(20 min)	50 km :: G	N/A :: Tropopause
1542 Temperature-RMSE	Bates	×		1/(20 min)	100 km :: G	25 lyr :: 1000-0.1 mb
2954 Vegetation Moisture, Root-zone	Bates	g/cm^2		1/(20 min)	50 km :: Land	:: N/A ::
1692 Vertical Motion	Bates	mb/s		1/(20 min)	50 km :: G	50 lyr :: 1000-0.1 mb
	Bates	m/s		1/(20 min)	100 km :: G	25 lyr :: 1000-0.1 mb
- 1	Bates	m/s		1/(20 min)	100 km :: G	25 lyr :: 1000-0.1 mb
1691 Wind Speed, Mean Meridional	Bates	m/s		1/(20 min)	50 km :: G	50 lyr :: 1000-0.1 mb
1693 Wind Speed, Mean Zonal	Bates	m/s		1/(20 min)	50 km :: G	50 lyr :: 1000-0.1 mb
	Bates	m/s		1/(20 min)	50 km :: G	N/A :: Near_sfc
	Bates	m/s		1/(20 min)	25 km :: G	N/A :: Near_sfc
1699 Wind Speed, Zonal	Bates	m/s		1/(20 min)	50 km :: G	N/A :: Near_sfc
	Bates	m/s		1/(20 min)	25 km :: G	N/A :: Near_sfc
1649 Wind Stress, Meridional	Bates	N/m^2		1/(20 min)	25 km :: G	N/A :: Sfc
1749 Wind Stress, Meridional	Bates	N/m^2		1/(20 min)	50 km :: G	N/A :: Sfc
1751 Wind Stress, Zonal	Bates	N/m^2		1/(20 min)	25 km :: G	N/A :: Sfc
1752 Wind Stress, Zonal	Bates	N/m^2		1/(20 min)	50 km :: G	N/A :: Sfc
	Bates	dg (lat,lon),mb-pre		1/(20 min)	50 km :: G	50 lyr :: 1000-0.1 mb
1134 CO Flux	Brewer	mol-CO/m^2/s	30% :: 20%	1/day	20 km :: Ocean	N/A :: Sfc
1135 CO Flux	Brewer	mol-CO/m^2/s	30% :: 20%	1/day	30 m :: Ocean/L	N/A :: Sfc
1148 CO2 Flux	Вгемет	mol-CO2/m^2/s		1/day	30 m :: Ocean/L	N/A :: TOO
	Brewer	mol-CO2/m^2/s		1/day	20 km :: Ocean	N/A :: TOO
1153 (2013) (2015)	Reputer	mix ratio	30% :: 20%	1/day		100:

Appendix J: Output Data Products Listed by IDS Investigator

Prod Product Name	Vame	Units	Accuracy	Temporal	Horizontal	A CTUCAL
			Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
1154 COS Conc	Втемся	mix ratio	30% :: 20%	1/day	9::	:: PBL
1156 CS2 Conc	Brewer	mix ratio	30% :: 20%	1/day	9 ::	:: PBL
1157 CS2 Cone	Brewer	mix ratio	30% :: 20%	1/day	::1	:: PBL
1159 DMS Conc	Brewer	mix ratio	30% :: 20%	1/day	:: T	:: PBL
1160 DMS Conc	Brewer	mix ratio	30% :: 20%	1/day	9::	:: PBL
1161 DMS Flux	Вгемея	mol/m^2/s	30% :: 20%	1/day	20 km :: Ocean	N/A :: Sfc
1162 DMS Flux	Brewer	mot/m^2/s	30% :: 20%	1/day	30 m :: Ocean/L	N/A :: Sfc
1173 H2S Cone	Втемет	mix ratio	30% :: 20%	1/day	::1	:: PBL
1174 H2S Cone	Вгеме	mix ratio	30% :: 20%	1/day	Ð::	:: PBL
1073 Gil Slick Cover	Brewer	% surface		1/day	20 km :: Ocean	N/A :: TOO
3074 Oil Slick Cover	Brewer	% surface		1/day	30 m :: Ocean/L	N/A :: TOO
2505 Phytonlankton Tyne	Brewer	8		1/day	30 m :: Ocean/L	N/A :: T00
2596 Phytoplankton Type	Brewer	8		1/day	20 km :: Ocean	N/A :: T00
1367 SO2 Conc	Brewer	mix ratio	30% :: 20%	1/day	:: 1	:: PBL
1368 SO2 Conc	Brewer	mix ratio	30% :: 20%	1/day	: G	:: PBL
3088 Trace Gas Transfer Coef	Brewer	m/s		1/day, 1/seas	25 km :: Ocean/G,L	N/A:: T00
2547 C Budget Global	Ciple	kg/ha/yr	:: 0.1	1/yr	1 km :: Land/R	N/A :: Sfc
	Ciblar	veg change classes	1 class	1/yr	1 km :: Land/R	N/A :: Scf
2661 Vesetation Conwine Season Duration		day	10 dy :: 1dy	1/yr	1 km :: Land/R	N/A :: Sfc
2706 Vegetation Index		various indices	.05 :: 0.001	1/(10 day)	1 km :: Land/R	N/A :: Sfc
2694 Vegetation Phytomass	Ciblar	kg/ha	:: 10%	1/yr	1 km :: Land/R	N/A :: Sfc
2727 Vegetation Succession	Cibler	vegetation change	:: 1 class	1/(2 yr)	1 km :: Land/R	N/A :: Sfc
	Cihlar	classes	[1 km]::1 class	1/yr	1 km :: Land/R	N/A :: Sfc
3525 Albedo, Cloud	Dickinson				0.5-1 dg:: G	
3521 Cloud Cover	Dickinson				0.5-1 dg :: G	
3528 Cloud Drop Size	Dickinson				0.5-1 dg :: G	
3527 Cloud Liq Water Content	Dickinson				0.5-1 dg :: G	
3526 Cloud Optical Depth	Dickinson				0.5-1 dg :: G	
3524 Cloud Phase	Dickinson				0.5-1 dg :: G	
3523 Cloud Pressure	Dickinson				0.5-1 dg :: G	
3522 Cloud Temperature, Top	Dickinson				0.5-1 dg :: G	
3537 Energy Flux, Net	Dickinson			1/mo	1 x 1 dg ::	
3531 Heat Flux, Latent	Dickinson			1/шо	1 x 1 dg ::	
3530 Heat Flux, Sensible	Dickinson			1/mo	1 x 1 dg ::	
3534 Heat Transport	Dickinson			1/mo	1 x 1 dg ::	
3535 Moisture Transport	Dickinson			1/mo	1 x 1 dg ::	
3536 Momentum Transport	Dickinson			1/шо	1 x 1 dg ::	
3533 Radiative Flux, LW	Dickinson			1/mo	lxldg::	
3532 Radiative Flux, Solar	Dickinson			1/шо	l x l dg ::	
3529 Vegetation Reflectance, Bi-directional, (BRDF)	ectional, (BRDF) Dickinson					
2811 Land Geochemical Analysis	Dozier	N/A		1/day	50 m :: L	
2553 Land sfc Biochemical Analysis	is Dozier	N/A		1/day	50 m :: L	
2989 Runoff		m^3/km^2/s	\$0 % :: 50 %	1/day	50 m :: L	
3070 Runoff_Chemistry	Dozier	eq/m^2/s	100% :: 100%	1/day	30m::L	
	Dayler	m-ea/m/2	20% :: 50%	1/wk, 1/mo	SO III :: Snow/L	

		•					
Prod #	Product Name	Investigator	Units	Accuracy Abs :: Rel	Temporal Resolution	Horizontal	Vertical Perol Conse
3041	Snow Melt Area, Distributed	Dozier	mm/hr	50::50	1/dav	05	Acsol Cover
3042	Snow Melt Chemistry	Dozier	m-eq/m^2	100% :: 100%	1/1wk, 1/mo	S0 m :: L	
	CH3CI Conc	Grose	mix ratio		1/mo	-6x6dg:: G	24 lvl :: 0-90 km
860	CH4 Budge	Grose			1/mo	D∷gb9x9~	
<u>8</u>	CH4 Conc	Grose	mix ratio		1/mo	D::gb 9x 9~	24 M :: 0-90 km
	Chemistry Diagnostics, Seasonal	Grose			1/mo	-6 x 6 dg :: G	24 lvl :: 0-90 km
1112	CIOy Conc	Grose	mix ratio		1/mo	D:: 8p 9 2 9-	24 M :: 0-90 km
=	CIOy Conc	Grose	mix ratio		1/mo	D∷gb9x9~	24 MI :: 0-90 km
=======================================	CIOy Conc	Grose	mix ratio		48/day [for 10 day]	-6 x 6 dg :: G	24 M :: 0-90 km
1832	H2O Conc	Grose	mix ratio		48/day [for 10 day]	-6 x 6 dg :: G	24 M :: 0-90 km
1185	HCI Conc	Grose	mix ratio		1/scas	~6 x 6 dg :: G	24 M :: 0-90 km
1224	HOy Conc	Grose			1/то	-6 x 6 dg :: G	24 lvl :: 0-90 km
_	HOy Conc	Grose	mix ratio		1/то	-6 x 6 dg :: G	24 lvl :: 0-90 km
1226	HOy Conc	Grose	mix ratio		48/day [for 10 day]	-6 x 6 dg :: G	24 lvl :: 0-90 lcm
1885	Moisture Budget	Grose			1/шо	-6 x 6 dg :: G	
	N2O Budget	Grose			1/mo	~6 x 6 dg :: G	
1234	N2O Conc	Grose	mix ratio		1/mo	~6 x 6 dg :: G	24 lvl :: 0-90 km
1235	N2O Conc	Grose	mix ratio		1/mo	D:: 8p 9 x 9~	24 MI:: 0-90 km
	NOy Budget	Grose			1/mo	-6 x 6 dg :: G	
1287	NOy Conc	Grose			1/mo	-6x6dg::G	24 lvl :: 0-90 km
1288	NOy Conc	Grose	mix ratio		1/mo	-6x6dg::G	24 M :: 0-90 km
	NOy Conc	Grose	mix ratio		48/day [for 10 day]	-6x6dg::G	24 lvl :: 0-90 km
	NOy Conc	Grose	mix ratio		1/шо	-6 x 6 dg :: G	24 lvl :: 0-90 km
1330	O3 Budget	Grose			1/mo	~6 x 6 dg :: G	
	Ox Conc	Grose	mix ratio		1/mo	-6 x 6 dg :: G	24 MI :: 0-90 km
	Ox Conc	Grose			1/mo	~6 x 6 dg :: G	24 M :: 0-90 km
1363	Ox Conc	Grose	mix ratio		48/day [for 10 day]	-6 x 6 dg :: G	24 lvl :: 0-90 km
1515	Planetary Wave Structure	Grose			1/day	~6 x 6 dg :: G	24 lvl :: 0-90 km
28	Temperature Profile	Grose	×		1/day	D:: 80 9 x 9~	24 lvl :: 0-90 km
28	Temperature Profile	Grose	×		48/day [for 10 day]	-6x6dg::G	24 lvl :: 0-90 km
597	1597 Temperature Profile	Grose	X		1/mo	-6 x 6 dg :: G	24 lvl :: 0-90 km
375	1375 Trace Gas Conc, Non-diumally-varying	Grose	mix ratio		1/day	D:: 8p 9 x 9-	24 M :: 0-90 km
1755	Trace Gas Transport Diagnostics	Grose			1/mo	D:: 8p 9 x 9~	24 hl :: 0-90 km
\$	1645 Vorticity, Potential	Grose			1/day	~6 x 6 dg :: G	1 lvl :: 0-30 km
929	1676 Wind Velocity	Grose	m/s,dg		48/day	-6 x 6 dg :: G	[24 lvl] :: 0-90 km
1677	Wind Velocity	Grose	m/s,dg		1/mo	Ð :: 8p 9 x 9~	24 M :: 0-90 km
248	2548 C Flux, Global	Hansen	g-C/m^2/s		1/wk	500 km ::	
2554	C-Cycle Diagnostic Data	Hansen			1/wk	500 km :: G	:: Trop
	Climatology Diagnostic Data	Hansen			I/wk	500 km :: G	:: Atmos
2422	Cloud Radiative Forcing	Hansen	W/m^2		1/wk	500 km :: G	:: Atmos
	Heat Flux, Feedback,	Hansen	W/m^2		1/wk	500 km :: G	:: Atmos
3571	СРих	Harris				:: Ocean	
	Fish-stock Abundance	Налтія			seas, yr	:: Ocean / R(Australia-STC)	
3565	Ocean Color/Temperature Maps, Composite	Harris				:: Ocean / R(Australia-STC)	
					-	(a.a. managed and a second	

Appendix J: Output Data Products Listed by IDS Investigator

	D	/ woodshoot	l/mits	Accuracy		- TO 150 III	
*	1 (00000) (00000	C		Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
	The contract of the contract o	Hamie				:: Ocean / R(Australia-STC)	
200	rnyuopiankton biomass	11				:: Ocean / R(Australia-STC)	
3267	Phytoplankton Species Composition	Traints				· Ocean / R(Australia-STC)	
568	3568 Temperature, Dry-bulb, Tropopause	Натть			16400	. m. 101	
1891	Cloud Ice Content	Hartmann	kg/m^2	0.02 :: 0.02	/un/i		Cohuma Tana
1923	Cloud Liq water Total Column	Hartmann	kg/m^2	0.05 :: 0.05	I/day	O:: mo O!	Column :: III
411	1411 Cloud Structure, Mesoscale	Hartmann			1/day	100 km :: Sites	
472	1472 Heat Flux Latent	Hartmann	W/m^2	10 :: 10	1/day	100 km :: Ocean	SIC ::
1	Desire America	Harmann	mm/dav	10 :: 10	1/day	10 km :: Ocean	
3	1945 recipianon Auroma	Isache				:: Land/R(Andes)	
88	3588 Cristal Motion	1SECES				·· I and/R(Andes)	
3584	Dust Composition	Isacks				- 1 - 1 O A - 4	
3580	Dust Conc	Isacks				:: Land/R(Andes)	
583	1581 Dust Size	Isacks				:: Land/K(Andes)	
3582	Dist Source	Isacks				:: Land/R(Andes)	
2601	Part Castal Distribution	leacks				:: Land/R(Andes)	
1000	Part Spatial Distriction	Isacke				:: Land/R(Andes)	
	Erosion-Leposition Evenis	Icache				:: Land/R(Andes)	
355	Landiorm race resuncts	134 ch.				:: Land/R(Andes)	
3591		ISACKS				:: Land/R(Andes)	
3592		Isacks				·· Land/R(Andes)	
3587	Land_sfc Roughness	Isacks				I and/D(Andree)	
3577	Land_sfc Temperature, Average	Isacks				Control of the second	
3578	Land sfc Temperature-Variability(&Extrema)	Isacks				:: Land/K(Andes)	
3572	Precipitation Amount, Average	Isacks				:: Land/K(Andes)	
3573	Precipitation Variability(&Extrema)	Isacks				:: Land/K(Andes)	
3576	Sediment Conc	Isacks				:: Land/K(Andes)	
3574	Snow&lce Content	Isacks				:: Land/K(Anges)	
3575	Surface Water Content (Soil Moisture+Lakes+Rivers)	Isacks				:: Land/K(Andes)	
3586	Vegetation Class(Type)	Isacks				:: Land/R(Andes)	
3585	Vesetation Density	Isacks				:: Land/K(Andes)	
3579	Wind Velocity, Prevailing	Isacks				:: Land/R(Andes)	70
288	2886 Drainage Basin Boundary	Kerr, Sorooshian	km^2	10000 [7] ::	1/mission	30 m :: Land/K	SIC ::
21.36	Heat Flux, Horizontal	Kerr, Sorooshian	W/m^2/um			10 km :: Land/K	doul ::
12	1473 Hest Flux I stent	Kerr, Sorooshian	W/m^2	10% :: 10%	1/day	500 m :: Land	N/A :: Stc
787	Heat Blue Congille	Kerr, Sorooshian	W/m^2	10% :: 10%	1/hr	500 km :: Land/R	N/A :: Sfc
5 70	I II. of Class Constitution	Kerr, Sorooshian	W/m^2	10% :: 10%	1 / Irr	500 m :: Land/R	N/A :: Sfc
140.	1465 FICH FIRST, SCHOOLS	Kerr Somoshian	W/m^2	50::25		500 m :: Land/R	N/A :: Sfc
777	irradiance, 10th	Kerr Somoshian	W/m^2	100:: 100	1/day	500 m :: Land/R	N/A :: Sfc
55	2331 PAK	Ver Somoshian	W/m^2	15% :: 15%	[diumal]	1 km :: Land/R	N/A :: Sfc
213	2138 Kadiative Flux, Net	Ver Concehian	CV#	10::10	1/seas	30 m :: Land/R	:: Stc
3050	River Channel Geometry, Major-stream	War Carreline	Pam/A	55	1/mission	500 m :: Land/R	N/A :: Sfc
<u>8</u>	Runoff_Contributing-area	Nett, Sorousmian	Z III	55	1/mission	S00 m :: Land/R	
58 58	1 Runoff Contributing-area	Nerr, Soroosnikii	7 8	S.R.: 10.B.	1//2 mo)	30 m :: Land/R	
204	2048 Soil Brighmess Index	Kerr, Sorooshian	R	201:20	1/vr	30 m : Land/R	
279	2793 Soil Class	Kerr, Sorooshian	CIRSS	200	1/40	Soo man 1	Sr
2973	3 Soil Moisture	Kerr, Sorooshian	% vol	%CI :: %C7	1/02/	bus 1 : m OOS	N/A :: Sfc
6812	9 Soil Proportion, Bare	Kerr, Sorooshian	3 2	10% :: 10%	1) WA	500 mm : 1 mm OC	35:
		Ker Spronchian	<u>×</u>	0.5 K :: 0.5	[d'p] (dp)	JUN III .: LANDIN	:

Appendix J: Output Data Products Listed by IDS Investigator

Prod #	Product Name	Investigator	Units	Accuracy	Temporal	Horizontal	Vertical
: 25				ADS :: KEI	Kesolution	Kesol. :: Cover.	Resol. :: Cover.
ZOUY VER	Vegetation Biomass, Above sfc	Kerr, Sorooshian	kg/m/2	20%::	1/seas	60 m :: Land/R	:: Sfc
2714 Veg	Vegetation Condition	Kerr, Sorooshian	N/A	10% :: 10%	1/wk	500 m :: Land/R	N/A :: Sfc
2752 Veg	Vegetation Index	Kerr, Sorooshian	8	10:::10:	1/(2 wk)	30 m :: Land/R	::Sfe
2682 Veg	Vegetation Index, Leaf Area, (LAI)	Kerr, Sorooshian	8	10% :: 5%	1/mo	30 m :: I and/R	38:
2621 Veg	Vegetation Litter Biomass	Kerr, Sorooshian	kg/km^2			TO m I and/R	30.
2699 Vegi	Vegetation Production, Net Primary, (NPP)	Kerr. Soroshian	N/M	20% :: 10%	1/m	And The Color	315 : A/A
2704 Veg	Vegetation Productivity	Kerr. Soroshian	annual &			30 - 1 05	310 AVI
3065 Veg	Vegetation Stress Index, Water	Kerr, Sorooshian	Schange	5g 5g.	1//2 mo/	SOUTH :: LAMBOX	300
3507 Evar	Evaporation, Land sfc	ne j			(all 4)/*		MILE C.C.
3511 Heat	Heating, Latent	1				5	N/A :: SIC
3513 Mai	Moisture Budeet			***************************************			:: Atmos
1512 Mai	The Tendence Contains					:: K	:: Upper_atmos
	Managara Janapar Salasacs	na.				D::	:: Atmos
once Land	rrecipitable water	['au				:: 0	N/A :: Sfc
3505 Prec	Precipitation Amount, Rain	Lau			1/mo	:: Land/R(Andes)	N/A :: Sfc
3514 Prec	Precipitation Sampling statistics, Rain.	Lau					N/A :: Sfc
3515 Radi	Radiative Flux Divergence, Clear-sky	Lau					
3516 Radi	Radiative Flux Divergence, Cloudy-sky	[Leu					
3508 Soil	Soil Moisture	Lau				9::	N/A :: Sfe
3509 Veg	Vegetation Evapotrans	Lau				<u>ت</u> :	N/A : Sf.
510 Veg	3510 Vegetation Index	Lau				5	N/A : Sfe
3593 Leve	Level-2 Data Comparisons, EOS Instrument	Le Marshall				R (Tranice So Hemis)	200
3517 Heat	Heat Flux, Latent	Liu			3 day	1 x 1 de :: Ocean	N/A Sfr
3518 Heat	Heat Flux, Sensible	Lis			3 day	1 x 1 do Ocean	N/A Sfe
3519 Oce	Ocean Circulation, Model Eddy-Resolving	Liu			3 day	1/3 dg :: Ocean	30 level ::
3520 Sea	Sea Level Height	Liu			10 day	1/3 dg :: Ocean	N/A :: Sfc
1091 CH4	CH4 Emission	Moore	g/ha/timestep	30%7 :: 5-10%?	1/mo	1 km :: Land	Sfc
1092 CH4	CH4 Emission	Moore	g/ha/timestep	30%7 :: 5-10%?	1/mo	030-1 km : I and/R I	JS:
1143 CO2	CO2 Exchange	Moore	various			Mult :: I and @	30:
1144 CO2	CO2 Exchange	Moore	various			Mult :: Land	
2633 Fire	Fire Burning Index	Moore	Į.		1/4) km :: Land	
3069 Hyd	Hydrological Parameter, XXX	Moore	% saturation		1/wk	1 km :: Land	
2937 Imm	Immdation Depth	Moore	E		1/wk	1 km :: Land	
2941 Inum	Inundation Extent	Moore	ha/km^2		1/wk	1 km :: Land	
1245 N20	N2O Emission	Moore	g/ha/mo	30% :: 5-10%	1/mo, 1/yr	.030-1 km :: Land/L.R	
1246 N20	N2O Emission	Moore	g/ha/mo	30% :: 5-10%	1/mo, 1/yr	1 km :: Land	
2332 PAR		Moore	W/m^2	100 :: 100	1/day	.030-1 km :: Land/R.L	
233 PAR		Moore	W/m^2	100 :: 100	1/day	1 km :: Land	
893 Rive	2893 River Discharge	Moore	m^3/s		1/wk	1 km :: Land	
	JJo	Moore	mm-H2O/wk		1/wk	1 km :: Land	
	Sediment(C) Constituent Plux	Moore	kg/wk/TBD-area		1/wk	1 km :: Sel basins	N/A :: Sfc
	Sediment(N) Constituent Flux	Moore	kg/wk/TBD-area		1/wk	1 km :: Sel basins	N/A :: Sfc
2777 Sedin	Sediment(P) Constituent Flux	Moore	kg/wk/TBD-area		1/wk	1 km ::.Sel basins	N/A :: Sfc
2974 Soil	Soil Moisture	Moore	kg/m^2	20% :: 20%	1/(1-2 wk)	.030-1 km :: Land/R,L	
2975 Soil	Soil Moisture	Moore	kg/m^2	20% :: 20%	1/(1-2 wk)	1 km :: Land	
2549 Soil	Soil N Turnover	Moore	kg/ha per t-step	30% :: 1%	l/mo, 1/yr	Mult :: Land/R.L	

Appendix J: Output Data Products Listed by IDS Investigator

7	Dending Name	Investioning	(/mil/s	Accuracy	T CHINAI III		
# #	I Totale ivanie			Abs :: Rel	Resolution	Resol. :: Cover.	Resol :: Cover.
05.50	Soil N Tumover	Moore	kg/ha per t-step	30% :: 1%	1/mo, 1/yr	Mult :: Land	
	Call Demostrate Base	Moore	8	10% :: 10%	1/mo	1 km :: Land	
24.5	2610 Venetation Borners Above of	Moore	kg/ha		1/(1-3 yrs) [few yrs]	.030-1 km :: Land/R	
1170	Ventation Biomes Above of	Moore	ke/ha		1/(1-3 yr) [few yr]	.030-1 km :: Land	
	2625 Vecetation Riomass, Sub-sfc	Moore	kg/ha		1/(1-3 yr) [few yr]	:: Land/R	
36.36	Venetation Riomee Sub efc	Moore	kg/ha		1/(1-3 yr) [few yr]	:: Land	
1707	Vegetation Evanorans	Moore	mm/day	1::1	1/day, 1/wk	.030-1 km :: Land/R,L	
1708	Vegetation Evanotrans	Moore	mm/day	1::1	1/day, 1/wk	1 km :: Land	
26.75	Vecetation Extent	Moore	4	15%:: 15%	1/yr	1 km :: Land	
	Vegetation Labor	Moore	dimensionless		1/mo, 1/yr	.030-1 km :: Land/R,L	
25.73	Vegetation Index	Moore	dimensionless		1/mo, 1/yr	1 km :: Land	
2683		Moore	8	10::5	1/(1-3 mo) [few mo]	30 m :: Land/L,R	
2633	Vegetation Litter Riomass	Moore	kg/ha		1/(1-3 yr) [few yr]	:: Land/R,L	
2622		Moore	kg/ha		1/(1-3 yr) [few yr]	:: Land	
2607	Vecesation Production Net Bookystem (NEP)	Moore	Uyr/km^2	25% :: 10%	1/yr	km [?] :: Land	
	7700 Venetation Production Net Primary (NPP)	Moore	t/yr/km^2	25% :: 10%	1/yr	1 km :: Land	
37.75	Vacatation Street Index XXX	Moore			1/mo	30 m :: Land/R.L	
37.20	Vegetation Tune	Moore	classes		1/(3 yr)	1 km :: Land	
3766	A control Discount Consider Discount	Monoinis-Mark	ke-sulfate/day		1/event	1 km :: G	:: Plume_col
2267	Acrossol Dispersal, Educated Tames	Moueinis-Mark	km/dav		1/event	1 km :: R	N/A :: Sfc
200	E. C. C. Direct CO. Consider Date Mark	Mousinis-Mark	ke/dav		1/day, 1/wk	1 km :: G	N/A :: Sfc
1076		Moueinis-Mark	C/day	5 C/dy ::	1/event	30 m :: Land/L	N/A :: Sfc
3360	_	Monoinis-Mark	ke/dav	10^5 kg ::	1/day, 1/wk	30 m :: Land/L	N/A :: Sfc
2070		Moueinis-Mark	cm/mo	1 cm (ver) ::	(~10)/event	30 m :: Land/L	cm :: Sfc
3275		Mouginis-Mark	5	10 m (ver) ::	1/mission	30 m :: Land/L	N/A :: Sfc
23.77	Volcen Clausion Peference	Mouginis-Mark	5	10 m (ver) ::	1/mission	30 m :: Land/L	N/A :: Sfc
3370	\neg	Moueinis-Mark	SO2 rlse in kton		1/yr	20 km :: G	N/A :: Plume_top
3366	Veloca Temerature Change	Moueinis-Mark	C/w	10::	1/yr	30 m :: Land/L	N/A :: Sfc
225	3250 Volcano University Change	Moueinis-Mark	m^3	1000 m^3 ::	1/event	30 m :: Land/L	N/A :: Sfc
3563	Volcano Volume-Change	Murakami				:: Ocean/R(~Pacific)	
3555	M Conc	Murakami				5 dg :: G	2 km :: Atmos
3550		Murakami				:: Ocean/R(~Pacific)	
1558	1558 Precipitation Amount	Murakami				:: Ocean/R(~Pacific)	
38.	1561 See Level Height	Murakami				:: Ocean/R(~Pacific)	
35.	1564 Sea sfe Temperature (SST)	Murakami			the state of the s	:: Ocean/R(~Pacific)	
3557	Trace Gas Total Burden, Greenhouse	Murakami				5 dg :: G	NA :: Atmos
3562	3562 Wind Velocity. Sea sfc	Murakami				:: Ocean/R(~Pacific)	
3560	Wind Velocity. Tropospheric 3-D	Murakami				:: Ocean/R(~Pacific)	
1033	BrOy Conc	Pyle					
=	CPC-XXX (HCPCs) Conc	Pyle					
1058		Pyle					
1081		Pyle					
1115	CIOy Cone	Pyle					
1833		Pyle					
1		Pole					

Appendix J: Output Data Products Listed by IDS Investigator

\$ #	rroduci Name	Invesngator	Units	Accuracy Abs :: D=1	l emporal	Horizontal	Vertical
1333	HO	-		12V 10V	Kesolunon	Kesol. :: Cover.	Resol. :: Cover.
177	noy conc	Pyle					
1236	N2O Conc	Pyle				The state of the s	
1290	NOy Conc	Pyle					
1364	Ox Conc	Pyle		A STATE OF THE STA			
1598	Temperature Profile	Pyle					
1646	1646 Vorticity, Potential	Pe					
1683	Wind Velocity, 3-D	Pyle					
1093	CTH4 Flux	Richey, Batista	g/ha/day	20% :: 20%	1/dav	1 km : [and/8	30:
10g	CH4 Flux	Richey, Batista	g/ha/day	20% :: 20%	1/day	1 km : Land/R	aic :
1147	CO2 Flux	Richey, Batista	kg/ha/hr	20% :: 20%	1/day	1 km :: Land/R	:: Sfc
1155	COS Flux	Richey, Batista	kg/ha/hr	20% :: 20%	1/day	1 km : I and/R	
2710	Ground Water Sum Routing	Richey, Batista	g/ha/day	20% :: 20%	1/mo	1 km :: Land/R	
1943	Precipitation Amount	Richey, Batista	mm/mo	10% :: 10%	1/wk	1 km :: Land/R	. Sfr
1 <u>8</u> 4	Precipitation Amount	Richey, Batista	mm/mo	10% :: 10%	1/wk	2: E	
1862	Runoff	Richey, Batista	m^3/s	5% :: 5%	1/wk	1 km :: Land/R	. Sfr
2988	Runoff	Richey, Batista	m^3/s	5% :: 5%	1/wk	I km :: Land/R	
1795	Vegetation Evapotrans	Richey, Batista	mm/mo	5% :: 5%	1/mo	1 km :: Land/R	. Sfe
28	Vegetation Evapotrans	Richey, Batista	mm/mo	5% :: 5%	1/mo	1 km : Land/R	
1474	Heat Flux, Latent	Rothrock	W/m^2	20% :: 20%	1//3 dav)	100 km > 60 de! AT	
1486	Heat Flux, Sensible	Rothrock	W/m^2	20% :: 20%	1/dav. 1/wk	100 km :> 60 del AT	
2607	Ocean Productivity, Primary	Rothrock	g-C/m^2/day		1/(3 dav)	100 km : > 60 de! AT	001:
8618	3198 Ocean Water Attenuation Coef, Diffuse	Rothrock	Æ		1/(3 day)	100 km :: > 60 dgLAT	OOT.
082	3082 Ocean Water Salinity	Rothrock	00/00		1/(3 day)	100 km :: > 60 dg LAT	- 100
38	Ocean Water Salt Flux	Rothrock	kg/m^2/day	20% :: 20%	1/day	100 km :: > 60 dgLAT	001
3119	Ocean Water Temperature, Internal	Rothrock	Ж		1/(3 day)	100 km :: > 60 dgLAT	M:: T00
	Pigment Conc	Rothrock	mg/m^3		1/(3 day)	100 km :: > 60 dgLAT	 00L::
1523	Pressure, Sfc	Rothrock	qm		1/(3 day)	100 km :: > 60 dgLAT	N/A :: Sfc
2406	Radiance, Total	Rothrock	mW/m^2		1/(3 day)	100 km :: > 60 dgLAT	
_	Radiative Flux, LW, Net	Rothrock	W/m^2	10% :: 10%	1/day	100 km :: > 60 dgLAT	
2221	Radiative Flux, SW, Net	Rothrock	W/m^2	15% :: 15%	1/day, 1/wk	100 km :: > 60 dgLAT	
3	3194 Sea_lce Extent	Rothrock	fraction	0.05 :: 0.05	1/(3 day)	100 km :: > 60 dgLAT	:: Sfc
182	3187 Sea_lce Max Extent	Rothrock	fraction		1/(3 day)	100 km :: > 60 dgLAT	:: Sfc
132	3132 Wind Velocity	Rothrock	cm/s,dg		1/(3 day)	100 km :: > 60 dgLAT	:: Trop
88	1686 Wind Velocity, Geostrophic	Rothrock	m/s		1/(3 day)	100 km :: > 60 dgLAT	
	Wind Velocity, Sea sfc	Rothrock	m/s,dg		1/(3 day)	100 km :: > 60 dgLAT	
	Albedo, Land sfc	Schimel	8	10%:: 1%	1/day, 1/wk	[multiple] :: 6 sites/L	
2887	Bowen Ratio	Schimel	ratio	20% :: 1%	1/day	500 m :: 6 sites/L	:: Sfc
1098	CH4 Uptake	Schimel	g/ha/mo	30% :: 5%	1/seas	[multiple] :: 6 sites/L	:: Sfc
8	CH4 Uptake	Schimel	g/ha/mo	30% :: 1%	1/seas	30 m :: 6 sites/L	:: Sfc
		Schimel	g/ha/mo^2	30% :: 1%	1/seas	[multiple] :: 6 sites/L	:: Sfc
		Schimel	g/ha/hr	25% :: 1%	1/day	Muh :: 6 sites/L	:: Sfc
	CO2 Exchange Time-deriv	Schimel	g/ha/hr^2	25%::1%	1/day	Mult :: 6 sites/L	:: Sfc
1247	N2O Emission	Schimel	g/ha/mo	25%:: 1%	1/seas	[multiple] :: 6 sites/L	:: Sfc
	N2O Emission Time-deriv	Schimel	g/ha/mo^2	50% :: 1%	1/seas	[multiple] :: 6 sites/L	:: Sfc
257	NHA Erchange	Cohimel	a/ha/mo	35G 1G.			

Appendix J: Output Data Products Listed by IDS Investigator

7.00	Product Name	Investigator	Cnits	ACCHINE)			
3 **				Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
85%	1258 NH4 Exchange Time-deriv	Schimel	g/ha/mo^2	25%:: 1%	1/seas	(multiple] :: 6 sites/L	:: Sfc
9 2	1250 NMHC Flux	Schimel	g/ha/mo	50% :: 5%	1/seas	[multiple] :: 6 sites/L	:: Sfc
1 5	1060 NACE Fire	Schimel	e/ha/mo	50% :: 1%	1/seas	30 m :: 6 sites/L	:: Sfc
12	1261 NMHC Flux Time-deriv	Schimel	g/ha/mo^2	50% :: 1%	1/seas	30 m :: 6 sites/L	:: Sfc
25	1284 NOx Emission	Schimel	g/ha/mo	25%:: 1%	1/seas	30 m :: 6 sites/L	:: Sfc
285	1285 NOx Panission	Schimel	g/ha/mo	25% :: 5%	1/seas	[multiple] :: 6 sites/L	:: Sfc
1 2	12% NOr Fmission Time-deriv	Schimel	g/ha/mo^2	25% :: 1%	1/scas	30 m :: 6 sites/L	:: Stc
276	2076 Soil Moisture	Schimel	5	25% :: 5%	1/wk	30 m :: 6 sites/L	:: Sfc
2551	Soil N Timover	Schimel	kg/he	25% :: 1%	1/seas	Mult :: 6 sites/L	:: Sfc
	Soil N Timover Time-deriv	Schimel	kg/ha	25%:: 1%	1/seas	Mult :: 6 sites/L	:: Sfc
2000	Coil Description Bare	Schimel	8	15% :: 5%	1/mo	500 m :: 6 sites/L	:: Sfc
1700	Vacatation Remotent	Schimel	cm/dav	20% :: 1%	1/day	[multiple] :: 6 sites/L	:: Sfc
1677	Venesion Eventuese Time deriv Annual	Schimel	2	20% :: 1%	1/day	[multiple] :: 6 sites/L	:: Sfc
7637	Vegetation Haisht	Schimel	8	20% :: 5%	1/yr	500 m :: 6 sites/L	:: Sfc
7007	Vesetation Production Time-deriv Net Primary (dNPP/dt)	Schimel	kg/ha 7	20% :: 1%	l/seas	[multiple] :: 6 sites/L	:: Sfc
	7701 Vesseline Production Net Primary (NPP)	Schimel	ke/ha	20% :: 1%	1/seas	(multiple) :: 6 sites/L	:: Sfc
10/7	Vegetation (Toursday, New Training), New 7	Schoeberl	je je	20% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
3 8	D.O.C.	Schoebert	unt	20%::	1/mo	10 dgZM :: G	2 km :: 0-90 km
2 5	1029 Bro Colic	Schoeberd	not.	20% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
750	1032 Brondz Conc	Schoebert	not	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
9 9	Colour Cont	Schoeherd	and a	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
601	COR COR	Chocherl	que	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
_	CONTROL OF THE PROPERTY OF THE	Schoeherl	que	15% ::	(1-4)/day	2 x 3 dg :: G	2 km :: Atmos
7001	CPC-11(CPC13) CORC	Schoeheri	qua	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
	CC 113(Cont.	Schoeherl	qaa	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
	CECTION CONTRACTOR	Schoeberl	qaa	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
	1034 CFC-114(CECES 4) COIN	Schoeberl	qua	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
200	CEC-113(CECH 3) Cons	Schoeberl	qua	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
3 8	1046 (CEC.12/CEC/CE) Conc	Schoeberl	qdd	15% ::	(1-4)/day	2 x 3 dg :: G	2 km :: Atmos
2 2		Schoeberl	qua	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
3 5	1050 CHAN COM	Schoeberl	qaa	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
3 5	CH10 Conc	Schoeberl	DOC	25% ::	1/mo	10 dgZM:: G	2 km :: 0-90 km
200	CHACH Core	Schoeberl	qua	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
9	CHICCO COME	Schoeberl	qua	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
È	CH2O Conc	Schoeberl	qda	25% ::	1/то	10 dgZM :: G	2 km :: 0-90 km
	CH100 Conc	Schoebert	qdd	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
7/01	CHIOLECTOR	Schoeberl	qua	25% ::	1/то	10 dgZM :: G	2 km :: 0-90 km
1080	CHA Conc	Schoeberl	E dd	15% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
	THA Conc	Schoeberl	mod	10% :: 10%	1/(3 mo)	6 regions :: R	1 km :: 0-15 km
		Schoeberl	udd	15% ::	(1-4)/day	2 x 3 dg :: G	2 km :: Atmos
		Schoeberi	qdd	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
		Schoeberl	qdd	20% ::	1/mo	10 dgZM:: G	2 km :: 0-90 km
3	CIO Conc	Schoeberi	ppb	20%::	1/то	10 dgZM :: G	2 km :: 0-90 km
	1111 CIONO2 Conc	Schoeberl	qdd	20% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
		C-113	400	2000	1 //2	T	

Appendix J: Output Data Products Listed by IDS Investigator

Froduct Name	Investigator	Cmits	Accuracy	I emporar	Horzontal	Vertical
			Abs :: Rel	Resolution	Resol :: Cover.	Resol. :: Cover.
1152 COP2 Conc	Schoeberi	ppb	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
1163 H Conc	Schoeberl	qdd	30% ::	1/mo	10 de7M :: G	2 km :: 0 00 km
1164 H2 Conc	Schoeberl	mdd	15% ::	1/20	10 do7M :: G	2 km :: 0-90 km
1059 H2CO Conc	Schoeberl	qdd	25% ::	J/mo	10 do 7M ·· G	2 km : 0 00 km
1834 H2O Conc	Schoeberl	mdd.	30% ::	1/40	10 de7M :- G	2 true :: 0.00 true
1835 H2O Conc	Schoeberl	mad.	15% :: 10%	(1-4)/day	2 * 3 de G	2 true :: Atmos
1169 H2O2 Conc	Schoeberl	Ga	70 %	(m)	D :: MZ - F OI	Solution of the
1170 H2O2 Conc	Schoeberi	- Page	304	Var. C. 1.	O : M.Zgb OI	
1179 HBr Conc	Cohoden	2 2	:: #DC	1/(3 mo)	o regions :: K	1 km :: 0-15 km
1186 HCI Conc	T-1	***	:: aL07	OW/I	10 dg/M :: G	2 km :: 0-90 km
1104 110 000	Schoeberi	QĞ.	.: %0 7	l/mo	10 dgZM :: G	2 km :: 0-90 km
1150 FF CORE	Schoeberi	Ppb	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
201 FINUS CORC	Schoeberl	mdd	25% ::	1/то	10 dgZM :: G	2 km :: 0-90 km
1209 FINOA Conc	Schoeberl	mdd	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
1215 HO2 Conc	Schoeberi	pbp	30% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
1221 HOCI Conc	Schoeberi	ddd	20% ::	1/mo	10 deZM :: G	2 km :: 0-90 km
1228 N Conc	Schoeberl	mdd	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
1237 N2O Conc	Schoeberi	qdd	15% ::	(1-4)/day	2 x 3 de :: G	2 km · Amos
1238 N2O Conc	Schoeberl	qdd	25% :: 10%	1/mo	10 dgZM :: G	2 km : 0-90 km
1253 N2O5 Conc	Schoeberl	wdd	25% ::	1/mo	10 deZM:: G	2 km · 0-90 km
1265 NO Conc	Schoeberl	mdd	25% ::	1/mo	10 dgZM :: G	2 km : 0-90 km
1272 NO2 Conc	Schoeberl	шфф	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
1281 NO3 Conc	Schoeberl	ppm	25% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
1283 NOx Conc	Schoeberl	PPt	30% ::	1/(3 mo)	6 regions :: R	1 km :: 0-15 km
	Schoeberl	bbm	20% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
1297 (O(3P)) Conc	Schoeberl	mdd	20% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
1315 O3 Conc	Schoebert	bbm	20% ::	1/mo	10 dgZM:: G	2 km :: 0-90 km
1316 O3 Conc	Schoeberl	ppm	10%:: 10%	(1-4)/day	2 x 3 dg :: G	2 km :: Atmos
1317 O3 Conc	Schoeberl	pdd	20% ::	1/(3 mo)	6 regions :: R	1 km :: 0-15 km
1346 O3 Conc, SBUV-2_Corrected	Schoeberl	bbu	0.5:: 0.2	1/day	8 x 10 dg :: G	5 km :: Atmos
1347 O3 Conc, SBUV-2 Follow-on	Schoeberl	bbm	0.5:: 0.2	1/day	8 x 10 dg :: G	5 km :: Atmos
1348 O3 Cync, SBUY Corrected	Schoeberl	mdd	0.5 :: 0.2	1/day	8 x 10 dg :: R	5 km :: Atmos
1335 O3 Total Burden, TOMS Follow-on	Schoeberl	DG	5::2	1/day	1 x 1 dg :: G	Column :: Atmos
1336 O3 Total Burden, TOMS_Version-6	Schoeberl	20	5 DU :: 2	1/day	1 x 1 dg :: R	Column :: Atmos
1357 OH Conc	Schoeberl	no/cm^3	30% ::	1/(3 mo)	6 regions :: R	1 km :: 0-15 km
1358 OH Conc	Schoeberl	no/cm^3	15% :: 10%	1/mo	2 x 3 dg :: G	2 km :: Trop
1359 OH Conc	Schoeberl	ppb	30% ::	1/mo	10 dgZM :: G	2 km :: 0-90 km
2412 Radiation Intensity, UV	Schoeberl	photons/cm^2/s/mm	20% :: 15%	1/day	2 x 3 dg :: G	2 km :: Trop
1599 Temperature Profile	Schoeberi	Ж	2 K :: 2	(1-4)/day	2 x 3 dg :: 1-3 sites [few sites]	2 km :: Atmos
1600 Temperature Profile	Schoeberl	Ж	2K :: 2 K	1/day	4 x 5 dg :: G	3.8 km :: Strat
	Schoeberl	Ж	2K :: 2 K	1/day	4 x 5 dg :: G	110 mb :: Trop
1602 Temperature Profile	Schoeberl	×	2K :: 2 K	1/day	4 x 5 dg :: G	3.8 km :: Strat
1603 Temperature Profile	Schoeberi	×	2K :: 2 K	1/day	4 x 5 dg :: G	110 mb :: Trop
1604 Temperature Profile	Schoeberl	×	2K :: 2K	1/day	2 x 3 dg :: G	2 km ::
1624 Temperature Profile	Schoeberl	×	2K :: 1K	1/day	2 x 2 dg :: R	2 km :: Atmos
1625 Temperature Profile	Schoeber	<u>×</u>	31 36	1/4-:-		

Appendix J: Output Data Products Listed by IDS Investigator

Prod	Product Name	Investigator	Units	Accuracy	I empora	TO DE SOUTO	
*		•	:	Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
5	Trace Gas Total Burden	Schoeberl	column density	25%:: 15%	[irreg]	N/A :: R	Column :: Atmos
_		Schoeberl	m/s	2 m/s :: 2 m/s	(1-4)/day	2 x 3 dg :: G	2 km :: Atmos
1726	1726 Wind Spend	Schoeberl	m/s	2 m/s :: 2 m/s	1/day	4 x 5 dg :: G	3.8 km :: Strat
1737	Wind Creed	Schoeberl	m/s	2 m/s :: 2 m/s	1/day	4 x 5 dg :: G	110 mb :: Trop
17.28	1728 Wind Sneed	Schoeberl	M/s	2 m/s :: 2 m/s	1/day	4 x 5 dg :: G	3.8 km :: Strat
1770	1700 Wind Speed	Schoeberl	E/E	2 m/s :: 2 m/s	1/day	4 x 5 dg :: G	110 mb :: Trop
1730	72.1 Wind Sneed	Schoeberl	m/s	2 m/s :: 2 m/s	1/day	2 x 3 dg :: G	2 km ::
1150	1150 CO2 Flux	Sellers	mmol/m^2/s		1/hr	1 dg ::	
1487	1487 Heat Flux Sensible	Sellers	W/m^2		4/day	1 dg ::	
1846	1846 Moisture Phir	Sellers	kg/m^2/s		4/day	1 dg ::	
713	Version Dissolveric State AVIRE	Seller			1/mo	20 km ::	
		Simard		20% ::	1/yr	:: Canada/R	:: Sfc
	I'm Chee Roundery (Maroin)	Simerd		20% ::	1/yr	:: Canada/R	:: Sfc
2000		Simard	8	10 cm ::	1/yr	:: Canada/R	:: Sfc
2070	ice office Displacement	Simerd	5	: E3 [1/(3 vr)	:: Canada/R	:: Sfc
6167	29/9 remained Distribution	Simerd		l km ::	1/(3 vr)	:: Canada/R	:: Sfc
2007	remained Sensitivity	Simerd	P. cover	10 km/10% ::	1/(2 wk)	10 km :: Canada/R	:: Sfc
1 2	Sea Ice Conc	Cimend		:: m 00%	1/(2 wk)	500 m :: Canada/R	:: Sfc
200		Simulo	ya/day	E 905	1/wk	500 m :: Canada/R	:: Sfc
2/15	Sea Ice Conc	Simend	day	1 km (?) ::	1/vr [?]	:: Canada/R	:: Sfc
2133		Simula	E.1	- E 005	1/(2 wk)	500 m :: Canada/R	:: Sfc
50.5		Similar Simond		E 005	1/(2 wk)	500 m :: Canada/R	:: Sfc
25.5		Simurd	lt.	10 km ::	1/wk	10 km :: Canada/R	:: Sfc
202	Snow Cover	Cimerd	E	S cm/10% ::	1/wk	10 km :: Canada/R	:: Sfc
200	2036 Show Leptin	Simard	wet or dry			:: Canada/R	:: Sfc
1 2		Simerd	mm.	10 mm/10% ::	1/wk	10 km :: Canada/R	:: Sfc
100		Simard	.5	25 km ::	1/wk	25 km :: Canada/R	:: Sfc
36.30	Mind Velocity, Sea Sic	Srokocz			1/mo	>= 1 dg (Select) ::	
1540	Heat Blue Sensible	Srokocz			1/то	>= 1 dg (Select) ::	
36.45	Heat Elix, Change Statistics Latent	Srokocz			1/то	>= 1 dg (Select) ::	
1546	Heat Flux Change Statistics, Sensible	Srokocz			1/mo	>= 1 dg (Select) ::	
354		Srokocz			1/mo	>= 1 dg (Select) ::	
3547	_	Srokocz			1/то	>= 1 dg (Select) ::	
3538	Momentum	Srokocz			1/mo	>= 1 dg (Select) ::	
3544	Momentum-Change Statistics	Srokocz			1/mo	>= 1 dg (Select) ::	
3543	3543 Radiative Flux, LW	Srokocz			1/mo	>= 1 dg (Select) ::	
3542	3542 Radiative Flux, Solar	Srokocz			1/mo	>= 1 dg (Select) ::	
3549	3549 Radiative Plux-Change Statistics , LW	Srokocz			1/то	>= 1 dg (Select) ::	
3548	3548 Radiative Flux-Change Statistics, Solar	Srokocz			1/mo	>= 1 dg (Select) ::	
3551	Sea Level Height-Change Statistics	Srokocz			5 yr (yr,seas, <seas)< td=""><td>1 x 1 dg :: Ocean/R</td><td></td></seas)<>	1 x 1 dg :: Ocean/R	
3550	Sea Level Height-Variability, RMS	Srokocz			1/seas	1 x 1 dg ::	
3554	1 Sea sfc Feature-Occurence Statistics	Srokocz			occasional	.: E3	
3555	Sea sfc Gradient-Changes Statistics	Srokocz			occasional	.: EJ	
3552	Sea sfc Temperature Statistics	Srokocz			1/mo	- F2	
25.67	25.5.1 C fe T Change Change Chairting	Srokocz			1/5yr	1 x 1 dg ::	

Appendix J: Output Data Products Listed by IDS Investigator

Prod	Product Name	Investigator	Units	Accuracy	Temporal	Horizontal	Vertical
*				Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
1379	Angular Momentum	Tapley	kg m^2/s	1%::	4/day	Ð::	:: Atmos
2857	Geodetic Location, Reference	Tapley	a	< 2 cm :: <1 cm		N/A :: G	N/A :: Sfc
2860	2860 Geodetic Orientation	Tapley	mus (m·erc_sec),m	1 1mes,0.1ms ::	1/day	NA::G	N/A:: N/A
2868	2868 Land_sfc Rebound, Post-Glacial,	Tapley	/yr	5%::	1/(~10 yr)	N/A :: G	ns [7] :: Global
2854	2854 Lithosphere Gravity Field	Tapley	mgal	10% ::		200 km :: Ocean	N/A :: Ocean
3089	3089 Ocean Angular Momentum	Tapley	kg m^2/s^2	10% ::	1/day	:: Ocean	:: Ocean
30 30 30	3090 Ocean Current Circulation, Large-scale	Tapley	ш	10% ::	1/(1-3 mo) [few mo]	4000 km :: Ocean	N/A :: Sfc
3110	3110 Sea Level Height	Tapley	cm cm	1-2 cm ::	1/yr	2 x 2 dg :: Ocean	N/A :: Sfc
3124	3124 Sea_Level Height	Tapley	mm	10% ::	1/mo	2 x 2 dg :: Ocean	N/A :: Sfc
<u>2</u>	1641 Torque, Friction	Tapley	kg m^2/s^2	5%::	4/day	50 km :: G	N/A :: Sfc
2875	2875 Torque, Mountain,	Tapley	kg m^2/s^2	5%::	4/day	50 km :: Land	N/A :: Sfc
2876	2876 Torque, Ocean-Land	Tapley	kg m^2/s^2	10% ::	4/day	50 km :: G	N/A :: Sfc
2067	2067 Cloud Cover	Wielicki	fraction	5%:: 1%	18/day [d.n]	25 km :: R	N/A :: Atmos
1766	1766 Cloud Drop Phase	Wielicki	water/ice	90% Conf :: 90% Conf	18/day [d.n]	25 km :: R	N/A :: Atmos
173	1773 Cloud Drop Size	Wielicki	mm	30% :: 10%	18/day [d,n]	25 km :: R	N/A :: Atmos
1392	1392 Cloud Height, Base	Wielicki	km	1.0 km :: 0.1 km	18/day [d,n]	25 km :: R	0.1 km :: Atmos
1428	1428 Cloud Height, Top	Wielicki	km	0.5 km :: 0.1 km	18/day [d,n]	25 km :: R	0.1 km :: Atmos
1916	1916 Cloud Liq water Content	Wielicki	g/m^2	30% :: 10%	18/day [d,n]	25 km :: R	N/A :: Atmos
2315	2315 Cloud Optical Depth, LW	Wielicki	dimensionless	25% :: 10%	18/day [d,n]	25 km :: R	N/A :: Atmos
2320	2320 Cloud Optical Depth, SW	Wielicki	dimensionless	25% :: 10%	9/day [d]	25 km :: R	N/A :: Atmos
2151	2151 Radiative Flux Divergence, LW	Wielicki	W/m^2/km	10%ch.25%cld :: 5%ch.10%cld	18/day (d,n)	25 km :: R	N/A :: Atmos
2153	2153 Radiative Flux Divergence, SW	Wielicki	W/m^2/km	10%ch,25%cld :: 5%ch,10%cld	9/day [d]	25 km :: R	:: Atmos
2167	2167 Radiative Flux, LW, Down	Wielicki	W/m^2	7 W/m^2 :: 2 W/m^2	18/day [d,n]	25 km :: R	N/A :: Sfc
2179	2179 Radiative Flux, LW, Net	Wielicki	W/m^2	7 W/m^2 :: 2 W/m^2	18/day [d,n]	25 km :: R	N/A :: Sfc
2198	2198 Radiative Flux, LW, Up	Wielicki	W/m^2	5 W/m^2 :: 2 W/m^2	18/day [d,n]	25 km :: R	N/A :: TOA
218	2199 Radiative Flux, LW, Up	Wielicki	W/m^2	7 W/m^2 :: 2 W/m^2	18/day [d,n]	25 km :: R	N/A :: Sfc
2220	2220 Radiative Flux, SW, Down	Wielicki	W/m^2	15 W/m^2 :: 2 W/m^2	(b) (day	25 km :: R	N/A :: Sfc
2228	2228 Radiative Flux, SW, Net	Wielicki	W/m^2	15 W/m^2 :: 2 W/m^2	9/day [d]	25 km :: R	N/A :: Sfc
2244	2244 Radiative Flux, SW, Up	Wielicki	W/m^2	15 W/m^2 :: 2 W/m^2	9/day [d]	25 km :: R	N/A :: Sfc
2245	2245 Radiative Flux, SW, Up	Wielicki	W/m^2	10 W/m^2 :: 2 W/m^2	9/day [d]	25 km :: R	N/A :: TOA

IDS Input Requirements Listed by Product Name

Appendix K

Science Processing Support Office (SPSO)

Goddard Space Flight Center

August 1992

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Appendix K: IDS Input Requirements Listed by Product Name

Prod	Product Name	Investigator	Units	Accuracy	1 cmporus	TOTAL CONTRACT	Dane J. Company
*				Abs :: Rel	Resolution	Kesol :: Coverage	Aesot :: Coverage
3442	Aerosol Angstrom Exponent	Harris		15%:: 5%	1/day	1-20 km :: Ocean/R	
3368	Aerosol Backscatter	Dickinson				<0.5-1 deg :: G	
2016	Acres Beckeratter	Murakami	Acm/sr	10-50% ::			
2013	A Comment of the Comm	900	no/cm^3	20% :: 10%	2/day	15 x 4 dg :: G	2 km :: Strat
3 3	Actual Conc	Ver Compehier	from amount	5%:: 5%	1/day	25 km :: Land	3 km :: Атлоя
3	Acrosol Conc	Mari Selection	Z/CEA3	: 305	1/(2 dav)	1 km :: G	
88	Acrosol Conc	Moore	mg/ciir 3	365	1/(2 day)	30m::L	
600	Aerosol Conc	Moore	C Jungani	104 54	1/day	200 km :: G	1 km :: Skrat
1010	Aerosol Conc	Schoeberi	поуситъз		1 Auk	9::	:: Strat
3263	Acrosol Conc, Stratospheric	Mouginis-Mark			1 Aut	C	:: Trop
3264	Aerosol Conc, Tropospheric	Mouginis-Mark			I/WK	0::-4::36	
3374	Acrosol Extinction	Dickinson				0 : San 1-C'0>	N/A : Atmos
2327	Acrosol Extinction Cocf	Murakami	/km	5-10% ::		0::	75 m :: Atmos
1013	Acrosol Layer Boundary Height	Bates	E	75m::		O :: 007-7	75 m :: Atmos
5101	Aerosol Laver Boundary Height	Isacks	E	75m::	1/event, 1/mo	2 km :: Land/K	SOUTH :: ELC!
4C#	Aemen Mass Loading	Harris	g/m^2	1%:: 1%	1/day	50 km :: Ocean/K	
1	Assess Mare Ladine	Isacks	g/m^2	30%:: 10%	1/wk	1-10 km :: Land/R	N/A :: Atmos
201	Actual Paris Design	Hamern		tau=0.02 ::	1/wk	500 km :: G	:: Trop
3 8	Acroso Optical Depti	Hansen		tau=0.02 ::	1/wk	S00 km :: G	:: Strat
183	Acrosol Optical Deput	Herrie	mis ve	10%,0.05 :: 5%,0.02	2/day-1/day	20-50 km :: Ocean/R	
¥	Acrosol Optical Depth	Table 6		tau=0.02 ::	1/day	20 km :: G	3 km :: 0-15 km
1002	Aerosol Optical Depm	Cellere		::			
2288	Т	Wi-lish	dimensionless	0.10::0.10	1/day	1.25 dg :: G	N/A :: Atmos
289	\neg	WEIGH	mW(cm/2.er.mm)	10% :: 5%	1/day	1-20 km :: Ocean/R	
ž Ž		Date	dimensionless	.: 20%	1/(5-16 day)	15.4 km :: G	Column :: Atmos
1019		Barca	Ulification Case	20% :: 20%	1/day	20 km :: G	N/A:: 0-15 [?]
1020	_	Tarrenaum T	3	:: 20%	1/wk	2-15 km ::	Column :: Atmos
1024	\neg	Sacras Set estern	mole mod 3 hrm	10% :: 5%	1/day	200 km :: G	1 km :: Strat
133		Schoederi	no/cur s/mii	01::005	1/day	50 km :: Ocean/R	
3423	T	Harris	5	20.0 1.0	1/(1.3 day) [few day]	100 km :: G	1 km :: Atmos
200	П	Bates	/m/sz		2/day	5::	:: Strat
1003		Pyle			(m)/7	2	
<u>\$</u>		Sellers				<0 5-1 dee :: G	
3361	Albedo, Cloud	Dickinson		200	1	500 m 1 and/8	:: Cloud
2006	T	Kerr, Sorooshian	8	5%:: 5%	1/11	JOO III :: LAINA/N	
2007	Albedo, Cloud	Sellers			4.4.4	5 : E401	N/A :: Sfc
2013	Albedo, Land_sfc	Barron	**	1.76 :: 1.70	1/WK	20 L m. 1	N/A :: Sfc
1995		Bates	dimensionless		r/un/	20 S. 1 Acc	
3363	Albedo, Land sfc	Dickinson			1,441,1	20 may 1	:: V/V
1997	Albedo, Land_sfc	Hartmarm	dimensionless	#C0 :: %1	1 Aut	250 m · 1 and/R	N/A :: Sfc
1998	Albedo, Land_sfc	Isacks		AC:	1,44.		N/A :: Sfc
2014	Albedo, Land sfc	Kerr, Sorooshian	*	10% :: 10%	I/WK	100 Land	
1999	Albedo, Land sfc	Sellers		1.76 :: 10%	(Kan C)/I	0 Fred :: 17 %C	¥Œ:
2009	Albedo, Planetary Spectral, TOA	Kerr, Sorooshian	₽.	951 :: 9 51	I/ony	A C 1 des :: Company	
3362		Dickinson			C	25 tem : Bolar	N/A :: Sfc
2012	Albedo, Sea Ice	Rothrock	fraction	CO.O :: CO.O	I/(a uny)	Uich me I and	
3364		Dickinson		8	177	SOO Francis	Sfc
7102	Г	Hansen		0.02	I/WK	Will Control	N/A : QF
3			•	104. : 104.	- Yak	Y/bus/: Espek	10:00

GSFC/Science Processing Support Office (SPSO)

Appendix K: IDS Input Requirements Listed by Product Name

				Abs :: Rel	Resolution	Resol :: Coverage	Resol : Covernor
2019	Albedo, Snow	Simard		2%		6 - P	age of the second
2020	Albedo, Spectral, Land afc	Dozier	dimensionless	S6::18	Their Thro	Nyman	N/A :: SIC
2023	Albedo, TOA	Витоп	*	3::	1/day	100 tm : C	40T 4VA
3365	Albedo, TOA	Dickinson					VOI :: V/V
3366	Albedo, Vegetation	Dickinson				High res : [and	
3367	Albedo, Vegetation	Dickinson				High see : I end	
2024	Albedo, Vegetation	Hanson		0.02 ::	1/wk	500 km · 1 and	30:
1378	Angular Momentum	Battes	kg m^2/s	1.8:			. Atmos
ğ	Anisotropy, L.W. broadband, Clear-sky	Wielicki	fraction	2% :: 1%		10 de [Anele] Giele	N/A :: Cfc Atmos
2026	Anisotropy, LW_broadband, Cloudy-sky	Wielicki	fraction	2% :: 1%		10 de (Anele) :: O/cit	MA :: Sic, Atmos
1026	BrO Conc	Grose	mix ratio	20% 15g	1.41	To us (Angle) :: O/cia	N/A :: SIC, Atmos
1027	BrO Cone	Pyle	mix ratio (.loe10)	256 108.	J.W.L	30x4dg::C	3 km :: Skrat
1028	Bro Conc	Schoebeel	(0.90)	201 :: 8/C7	Z/Oary	Dx 4 km :: G	3 km :: Strat
103	BroNO2 Conc	Pole	mir min / las100	1 :: 0.07	I/WK	8 x 10 dg :: G	2 km :: Strat
1037	C2H6 Cone	Coheren	(at fai-) ame viiii	201 :: 0.C7	Z/day	15 x 4 km :: G	3 km :: Strat
Š	(TR-11/CEC13) Cons	Samocodii	odd .	20%:: 0.2	1/wk	8 x 10 dg :: G	3 km :: Strat
2	COLUMN COLUMN	2000	mix radio	15%::5%	1/wk	30x4dg::G	3 km :: Strat
3 5	the morest of	ryle	mix ratio (-log10)	15%::5%	2/day	15 x 4 km :: G	3 km :: Strat
3 5	CIC-11(CFCB) CORC	Schoeberi	ppt	15%:: 10	1/day	2x3dg::G	1.5 km :: Strat
75	CHC-14(CFACIZ) Cone	gese Crose	mix ratio	15% :: 5%	1/wk	30 x 4 dg :: G	3 km :: Sent
\$	CPC-12(CP2C12) Conc	Pyle	mix ratio (-log 10)	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
Š	CPC-12(CF2C12) Cone	Schoeberl	qdd	15%:: 10	1/day	2 x 3 dg :: G	I. S. km Straet
103	CFC-XXX Conc	Hansen	mix ratio		1/wk	S00 km :: G	Two
<u>s</u>	CH3Br Conc	Pyle	mix ratio (-log10)	25% :: 10%	2/day	15 x 4 km :: G	3 Pm :: Oraș
28	CH3Br Conc ' .	Schoeberl	ppt	20% :: 2	1/wk	8 x 10 de :: G	Jim : Car
2002	CH3Cl Come :	Grose	mix ratio	15%:: 5%	1/wk	30 x 4 de :: G	1 km : Smi
990	CH3CI Conc	Pyle	mix ratio (-log10)	15%:: 5%	2/dav	15 x 4 km : G	1 km :: Oral
1067	CH3CI Conc	Schoeberl	pot	15%:: 20	1 Avk	8 10 de :: 0	3 km : Ch-1
100	CH4 Conc	Grose	mix ratio	15% :: 5%	2/dav	30 x 4 de :: G	J. Lim. : Mid -
1075	CH4 Conc	Hansen	mix ratio	0.10% ::	1/wk	SO tem : Westernda	SOLIDE-BUILDS
1076	CH4 Conc	Hansen	mix ratio		1 /wk	500 km :: 0	T.
101	CH4 Conc	Pyle	mix ratio (-log 10)	10% :: 5%	2/dav	15 v 4 km :: G	1,1,00
1078	CH4 Conc	Schoeberl	WOG.	154005	1 1/400	2	TEJOC :: UTI C
3325	CO Cone	Dickinson		200	1/14	D:: 80 C x 7	L.S.K.H.: Strat
31	CO Cone	Grose	mix ratio	15% :: 5%	2/day	30.444.0	2 1.34
Ξ	CO Conc	Hansen	mix ratio	0.10% ::	1/wk	- E - C - C - C - C - C - C - C - C - C	There There
1118	CO Conc	Moore	ppmv	25% :: 10%	1/day	. H 001	- 100 m
119	CO Cone	Pyle	mix ratio (·log10)	15% :: 5%	2/dav	15 * 4 km :: 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1120	CO Cone	Schoeberl	qq	15% 5	1//48v	2 . 3 4= 0	A LUIS .: Surat
1121	CO Conc	Schoebert	qua	15% :: 5	1/day	D:: 50 C x 2	Z Km:: Irop
1138	CO2 Conc	Grose	mix ratio	1%::0.5%	1/20	0 : 20 × 20 × 20 × 20 × 20 × 20 × 20 × 2	S KITH :: MIG-BURGE
1139	CO2 Conc	Hansen	mix ratio	0.2 реш ::	1 Auk	0::21	TO KITH :: MIG-RUTION
1140	CO2 Conc	Kerr, Sorooshian	mon	159 159.	1 May	0::110	dour ::
1141	CO2 Conc	Sellers			(m/)	D:: E	I KM :: Atmos
3075	CO2 Partial Pressure	Hansen		24	1 Aut	500 F	000
2563	Chlorophyll Conc	Srokosz	Van	10% :: 0 1me	1/4k	1 the : Ocean	001::
3462	Chlorophyll Fluorescence	Harris	W	9	(my)	I will .: Occar South Allan	N/A :: SIC
				354 54.			

Appendix K: IDS Input Requirements Listed by Product Name

Prod .	Product Name	Investigator	Cnus	Abs :: Rel	Resolution	Resol :: Coverage	Resol :: Coverage
			1.4.43	20.104 10.156	1 /day	1-20 km :: Ocean/R	
3455	Chlorophyll_a Conc	Harris	mg/m^3	XC-20% :: 10-13-%	1/00)	W	
3456	Chlorophyll a Conc	Harris	mg/m^3	20-30% :: 10-15%	2-10 days	0.25-1 KM :: OccanyR	
1103	CIO Conc	Grose	mix ratio	20%:: 10%	2/day	30 x 4 dg :: G	3 Km :: Mid-atmos
1108	CIO Cone	Pyle	mix ratio (-log10)	15%::5%	2/day	15 x 4 km :: G	3 Km :: Strat
1105	CIO Conc	Schoeberl	qdd	10% :: 0.02	1/day	8 x 10 dg :: G	3 km :: Strat
1108	CIONO2 Conc	Grose	mix ratio	20% :: 10%	2/day	30 x 4 dg :: G	3 km :: Strat
8	CIONO2 Core	Ne Ne	mix ratio (-log10)	25%:: 10%	2/day	15 x 4 km :: G	3 km :: Strat
211	Section Concident	Schoeher	qoa	15% :: 0.05	1/day	8 x 10 dg :: G	3 km :: Strat
9	Cicio Contra	Barron	8	5::5	1/day	100 km :: G	N/A :: Cloud
ءاد	Cloud Cover	Design	4	5::5	1/day	10 km :: R	N/A :: Cloud
2020	Cloud Cover	Darron	₹ 8	V :: V	1/dav	30m::L	N/A :: Cloud
2021	Cloud Cover	Barron	R	104.	1/(6 hr)	1 x 1 dg :: G	N/A :: Cloud
2073	Cloud Cover	Bates		201 :: 201 201 :: 201	1/4ev 1/mo	1 de :: G	N/A :: Cloud
2074	Cloud Cover	Bates	ę	*C:: #O!	1/4874 1/1110	List to	
3343	Cloud Cover	Dickinson				2: BI 13:	
3344	Cloud Cover	Dickinson				2::82 B8K	
3345	Cloud Cover	Dickinson				10w res	
2052	Cloud Cover	Hanson		3%::	1/wk	300 km :: G	:: C1000
3436	Cloud Cover	Harris	*	5-10% :: 2-5%	2/day	5-50 km :: Ocean/R	
2063	Clarid Cover	Isacks	8		1/wk	5 km :: Land/R	N/A :: Cloud
SUNC	Cloud Course	Kerr. Sorooshian	*	5%:: 5%	1/day	10 km :: Land/R	N/A :: Cloud
200	Section Proof	l and	*	5%:: 5%	2/day	50 km :: R	N/A :: Atmos
5 5		Lin				:: Ocean	N/A:: Cloud
200	Т	Moore	% cover	10%:: 10%	1/wk	1 km :: G	
100	Т	Mirrakami	% cover	10% ::			N/A :: Cloud
800	Т	Potherock	dimensionless	0.1::0.1	1/day	100 km :: Polar	N/A :: Cloud
0/07	\neg	Sellers			4/day	100 km ::	0.5 km :: Trop
8	Т	Ciment		5%:		:: Canada/R	N/A :: Cloud
907	Cloud Cover	Contrary	4	58::1%	2/day	10 km :: Ocean [South Atlan]	N/A :: Cloud
200	Т	Wielicki		5%:: 2%	[u,b] yeb/8	25-100 km :: G	N/A:: Atmos
5 5	Т	Wielichi		2%:: 2%	1/(16 day)	30 m :: R	N/A :: Atmos
102	Т	Beter	Amfer		1/day	100 km :: G	0.5 km :: Trop
6	Т	2000	dimensionless	0.05:: 0.025	2/day [d.n.]	15 x 45 km :: G	N/A :: Cloud
2012	7	Dates	4	5% :: 5%	1/day	100 km :: G	N/A::
000	T		an all and Area		1/day, 1/mo	1 dg :: G	N/A :: Cloud
1759	\neg	Dates				<0.5-1 deg :: G	
2	Т	Wielichi		25%:: 10%	1/(16 day)	.03-10 km :: R	N/A :: Atmos
2	Т	Wielicki		90% Conf :: 90% Conf	(u'p) (ap/9	25-100 km :: G	N/A:: Atmos
191	Т	Pichieson				<0.5-1 deg :: G	
	Т	Wielichi	£.	25%:: 10%	1/(16 day)	.03-10 km :: R	N/A :: Atmos
	Т	Wielish	Į.	30% :: 10%	(up) (dy)	25-100 km :: G	N/A:: Atmos
7/1	Т	Dates	E	0.40% :: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
	Т	Dickingon				<0.5-1 deg :: G	
34	Т	Underson	<u></u>	20% :: 20%	1/day	10 km :: G	0-15 km :: Cloud
173	Т	Pickings				<0.5-1 deg :: G	
3372	\neg	Users	(m) m4	50m::	1/wk	500 km :: G	:: Cloud
1399	7	Demon	/\ E	100m::50m	1/day	100 km :: G	100 m :: Cloud
1380	Cloud Height, Base	DELIGI				-	200

Appendix K: IDS Input Requirements Listed by Product Name

	*		¢		Abs :: Rel	Resolution	Horizontal Recol Covernoe	Perol :: Commen
Cook leight, Base Bisse Print 100 Print <t< td=""><td>382</td><td>Cloud Height, Base</td><td>Barron</td><td>ε</td><td>5:20</td><td>- F. F.</td><td>Acson :: Coverage</td><td>Acsol Coverage</td></t<>	382	Cloud Height, Base	Barron	ε	5:20	- F. F.	Acson :: Coverage	Acsol Coverage
Condition Cond	120	Clord Heish Ress	2770			1/only	30 m :: L	100 m :: Cloud
Cond Heigh, Top Cond Heigh	3	Clark Hairt Barr	Dance C	OIII.	:: 100 mb		25 km :: G	100 mb :: Cloud
Cold High The Chief Bank Tool High The Chief Bank Tool High The Chief Bank Inter a the Chief	ş ş	Single Base	Batca	ap E	:: 100 mb	1/(6 hr)	1x1dg::G	100 mb :: Cloud
COME STATEMENT Fort. Stronglation Fort. Stron	7 8	Citizan regim, base	Dickinson					
Count Higher Themses Weilight Dem 11 mm; 0.1 m	3	Citizan neight, base	Kerr, Sorooshian	KIII or III b	200m :: 200m	I/JA	1 km :: Land	100 mb :: Trop
Closed Height, These Wickied Inm 0.1 km; 0.1 km 0.1 (de.y) 0.2 (de.y) 0.0 m; 0.7 0.0	8	Cloud Height, Base	Wielicki	5	1 km :: 0.1 km	6/day [d,n]	25-100 km :: G	0.1 km :: Atmos
Cook Height, Charse Metales Inn 0.0 mm; R 30 mm; R Cook Height, Charse Bases Metales Inn 100 mm; 20 mm 20 py 30 mm; R Cook Height, Charse Lus m 100 mm; 20 mm 20 py 50 mm; G Cook Height, Row Bases m 100 mm; 20 mm 20 py 50 mm; G Cook Height, Row Bases m 100 mm; 20 mm 10 py 50 mm; G Cook Height, Top Bases m 100 mm; 20 mm 10 km; G 50 mm; G Cook Height, Top Bases m 100 m; 20 mm 10 km; G 10 m; G Cook Height, Top Bases m 100 m; 20 mm 10 km; G 10 m; G Cook Height, Top Mine In m 10 km; G 11 km; G 11 km; G Cook Height, Top Mine In m 10 km; G 10 km; G 10 km; G Cook Height, Top Mine Library 0.5 km; G 10 km; G 10 km; G Cook Height, Top Mine 10 km; G	2	Cloud Height, Base	Wielicki	Ę	0.1 km :: 0.1 km	1/(16 day)	0.2 km :: R	0.1 km :: Atmos
Cond Height, Christ Bases m St00 m.: 2 kby St0 m.: Chool Height, Christ Las m 100 m.: 2 kby St0 m.: Chool Height, Town Berror m 100 m.: 2 kby St0 m.: Chool Height, Tow Berror m 100 m.: 2 kby St0 m.: Chool Height, Tow Berror m 100 m.: 2 kby 100 m.: Chool Height, Tow Berror m 1 kby 1 kby 100 m.: Chool Height, Tow Berror m 1 kby 1 kby 100 m.: Chool Height, Tow Berror m 0 kby 1 kby 100 m.: Chool Height, Tow Markenia km 0 kby 1 kby	20	Cloud Height, Base	Wielicki	EZ.	0.1 km :: 0.1 km	2/day [d,n]	50 km :: R	0.1 km :: Atmos
Cond Heigh, Town List m 100 m.: 2049 50 bm.: G Cond Heigh, Force Phe m 100 m.: 2449 50 bm.: G Cond Heigh, Force Beren m 100 m.: 2449 50 bm.: G Cond Heigh, Top Breve m 100 m.: 2449 50 bm.: G Cond Heigh, Top Breve m 100 m.: 2449 50 bm.: G Cond Heigh, Top Breve m 100 m.: 2449 50 bm.: C Cond Heigh, Top Breve m 100 m.: 2449 50 bm.: C Cond Heigh, Top Breve m 10 m.: 2449 50 bm.: C Cond Heigh, Top Herrican bm. 0.5 bm.: C 2449 26.5 bm.: C Cond Heigh, Top Merce bm. 0.5 bm.: C 2449 26.5 bm.: C Cond Heigh, Top Merce bm. 0.7 bm.: C 2449 26.5 bm.: C Cond Heigh, Top Merce bm. 0.7 bm.: C 2449 26.5 bm.: R </td <td>5</td> <td>Cloud Height, Cirus</td> <td>Battes</td> <td>E</td> <td>S00m::</td> <td>2/day</td> <td>SO 1531 :: G</td> <td>NA: Good</td>	5	Cloud Height, Cirus	Battes	E	S00m::	2/day	SO 1531 :: G	NA: Good
Cond Height, Tey Phis n 2049 3.04 3.04 Cond Height, Tey Berrer n 100 m.; 25 m 1049 50 m.; 2 Cond Height, Tey Berrer n 100 m.; 25 m 1149 100 m.; 2 Cond Height, Tey Berrer n 100 m.; 25 m 1149 100 m.; 2 Cond Height, Tey Bress nn 100 m.; 25 m 1149 100 m.; R Cond Height, Tey Bress nn 100 m.; 25 m 1149 100 m.; R Cond Height, Tey Bress nn 100 m.; 25 m 1149 100 m.; R Cond Height, Tey Bress nn 0.3 m.; C 2469 (4a) 13.4 d.; R Cond Height, Tey Medicat nn 0.3 m.; C 2469 (4a) 13.4 d.; R Cond Height, Tey Medicat nn 0.3 m.; C 2469 (4a) 13.4 d.; R Cond Height, Tey Medicat nn 0.3 m.; C 2469 (4a) 25.1 de; C Cond Height, Tey Medicat nn 0.3 m.; C	8	Cloud Height, Cirus	Lau	E	100 m ::	2/day	S: #105	N/A Atmos
Cook Height, Top Basen n 50m:: 24by 50 m:: Cook Height, Top Barron n 10m:: 25by 50 m:: Cook Height, Top Barron n 10m:: 25m:: 50 m:: Cook Height, Top Barron n 10m:: 24m; 10m:: 10m:: Cook Height, Top Barron n 10m:: 24m; 10m:: 10m:: Cook Height, Top Herrin n 10m:: 24m; 10m:: 10m:: Cook Height, Top Herrin hm 0.5:n. 24dy 10m:: 10m:: Cook Height, Top Herrin hm 0.5:n. 24dy 10m:: 10m:: Cook Height, Top Mulcidia hm 0.5:n. 24dy 10m:: 10m:: Cook Height, Top Welicki hm 0.1m:: 0.2m:: 1.1m: 1.1m: 1.1m: Cook Height, Top Height, Top Herrin 1.1m:: 1.1m: 1.1m: 1.1m: <	3	Cloud Height, PSC	Pyle		1,000	2/day	2	**************************************
Cloud Height, Top Barron n 100 m.: 2 m 100 m.: 2 m Cloud Height, Top Barron n 100 m.: 2 m 100 m.: 2 m Cloud Height, Top Barron nh 100 m.: 5 m 100 m.: 2 m Cloud Height, Top Barron nh 100 m.: 5 m 100 m.: 1 m.: 100	8	Cloud Height, Stratoform	Battes	E	\$0m::	2/dav	:: S	TOTAL STAN
Cloud Height Top Berron m 100m:: 2m 10m:: 2m	12	Cloud Height, Top	Ваттоп	E	100 m :: 24 m	1/400	0::100	1/A :: C.000
Cloud Height, Top Barron m 100mm; 2 m 10 m; 10 m; 10 m 10 m; 10 m; 10 m 10 m;	13	Cloud Height, Top	Barron	E			D:: marchi	I'U III Cloud
Clood Height, Top Bases mb 1.10mmb 1.0my 30mmm Clood Height, Top Bases lm 1.10mmb 1.66 km 15.4 km 30mmm 1.1 dg :: G Clood Height, Top Herita lm 0.5 m:: 0.25 km 2.6dy 1.5 s km C Clood Height, Top Rer. Sevoshin lm 0.5 m:: 0.25 km 2.6dy 2.50 lm 1.5 m:: LandR Clood Height, Top Nelicial lm 1.1 m:: 0.1 km 1.1 m:: 1.1 dg:: 0.25 km 2.50 lm<: 0.25 s km C Clood Height, Top Welicial lm 0.1 lm<: 0.1 km 1.1 km<	4	Cloud Height, Too	Berne		III 77 :: III 76 :	(mp/	10 km :: K	100 m :: Cloud
Cloud Height, Top Distinct	<u> </u>	Card Height To-	D	E	ECZ:: WOO!	1/day	30 m :: Г	100 m :: Cloud
Cook Height, Top Bitted km 0.5 m; 0.25 m 2(day (da)) 15.45 km; 0.7 Cook Height, Top Herris km 0.5 m; 0.25 m 2(day) 20.51 kg; m; 0.7 20.51 kg; m; 0.7 Cook Height, Top Maratami km 1 m; 2.5 m 1 km; 1 km; 2.6 m/R 20.5 km; 0.7 m 20.5 km; 0.7 m <t< td=""><td>: ا:</td><td>Court Height, 10p</td><td>Bares</td><td>din</td><td>:: 100 mb</td><td>1/(6 hr)</td><td>1 x 1 dg :: G</td><td>100 mb :: Cloud</td></t<>	: ا:	Court Height, 10p	Bares	din	:: 100 mb	1/(6 hr)	1 x 1 dg :: G	100 mb :: Cloud
Cloud Height, Top Hursa km 655:03 2(day 205:146g; CD Cloud Height, Top Kerr, Seroodnien km : 0.5 km 1/44y 20.50 km; R Cloud Height, Top Methorist km 0.1 km; C 1/44y 100 km; R Cloud Height, Top Welicki km 0.1 km; C 1/44y 100 km; R Cloud Height, Top Welicki km 0.1 km; C 1/44y 100 km; R Cloud Height, Top Welicki km 0.1 km; C 1/44y 100 km; R Cloud Height, Top Welicki km 0.1 km; C 1/44y 100 km; R Cloud Height, Top Welicki km 0.1 km; C 1/44y 100 km; C Cloud Height, Top Welicki km 0.1 km; C 100 km; C 100 km; C Cloud Height, Top Welicki km 0.1 km; C 100 km; C 100 km; C Cloud Height, Top Welicki km 0.1 km; C 100 km; C 100 km; C Cloud Lie welc km 0.1 km; C <td>واو</td> <td>Cloud Height, 100</td> <td>Batcs</td> <td>E</td> <td>0.5 km :: 0.25 km</td> <td>2/day [d,n]</td> <td>15 x 45 km :: G</td> <td>N/A :: Cloud</td>	واو	Cloud Height, 100	Batcs	E	0.5 km :: 0.25 km	2/day [d,n]	15 x 45 km :: G	N/A :: Cloud
Cloud Height, Top Harrison km 05:::03 2/dsy 20.50 km:: Ocean/R Cloud Height, Top Muratum km ::05 km 1/hr 1 km:: Land/R 1 km:: Land/R Cloud Height, Top Wulciesi km 0.1 km:: 0.2 km 1 km 1 km:: 1 km 1 km:: 1 km Cloud Height, Top Wulciesi km 0.1 km:: 0.1 km 1 kldy 10.0 km:: R km Cloud Height, Top Wulciesi km 0.1 km:: 0.1 km 1 kldy 10.0 km:: R km Cloud Height, Top Wulciesi km 0.1 km:: 0.1 km 1 kldy 10.0 km:: R km Cloud Leight, Top Wulciesi km 0.1 km:: 0.1 km 1 kldy 10.0 km:: R km Cloud Leight, Top Wulciesi km 0.1 km:: 0.1 km 1 kldy 10.0 km:: R km Cloud Leight, Top Wulciesi kgm/2 0.02 km:: 0.0 km 1 kldy 10.0 km:: R km Cloud Leight, Top km kgm/2 0.02 km:: 0.0 km 1 kldy 10.0 km:: R km Cloud Lie water Content Birron mm 0.1 km::	اد	Cloud Height, Top	Dickinston				<0.5-1 deg :: G	
Cloud Height, Top Kert. Stooochism km : 0.05 km 1/hr 1 km: Lnd/K Cloud Height, Top Murstami km 0.2mm; 0.2mm 1/day 100 km; E Cloud Height, Top Weileid; km 0.1 km; 0.1 km 2/day [da] 50 km; R Cloud Height, Top Weileid; km 0.1 km; 0.1 km 0.1 km 10 km 0.0 km; R Cloud Height, Top Weileid; km 0.1 km; 0.1 km 0.0 km; G 0.0 km; G 0.0 km; G Cloud Lee Camert Bases kg/m²2 0.02; 0.02 1/day 10 km; G 0.0 km; G Cloud Lee Camert Bases kg/m²2 0.02; 0.02 1/day 10 km; G 0.0 km; G Cloud Lee water Content Dictation mm 0.1; 0.02 1/day 10 km; G 0.0 km; G Cloud Liq water Content Dictation mm 0.1; 0.05 1/day 10 km; G 0.0 km; G Cloud Liq water Content Barron mm 0.1; 0.05 1/day 10 km; G 0.0 km; G Cloud Liq water C	2	Cloud Height, Top	Harris	ţ,	0.5::0.3	2/day	20-50 km :: Ocean/R	
Cloud Height, Top Muratum km 1 km 1 km Cloud Height, Top Welcheck km 0.1 km 1/day 100 km Cloud Height, Top Welchei km 0.1 km 0.1 km 0.2 km Cloud Height, Top Welchei km 0.1 km 0.1 km 0.2 km Cloud Height, Top Welchei kpm 0.0 km 0.0 km 0.2 km Cloud Height, Top Welchei kpm 0.0 km 0.0 km 0.0 km Cloud Lei Comert Herranan kgm²2 0.0 km 0.0 km 0.0 km Cloud Lei Comert Herranan kgm²2 0.0 km 0.0 km 0.0 km Cloud Lei Wert Dickinson m 0.1 km 0.0 km 0.0 km Cloud Lei wert Dickinson m 0.1 km 0.0 km 0.0 km Cloud Lei wert Beron m 0.1 km 0.0 km 0.0 km Cloud Lei wert Kern kern 0.1 km 0.1 km 0.1 km Cloud	_	Cloud Height, Top	Kerr, Sorooshian	EJ.	:: 0.5 km	₽/1	1 km ·· I and/R	buo!
Cloud Height, Top Rothrock km 0.2mm: 0.2mm 1/day 100 km: Polur Cloud Height, Top Welickin km 0.1 km: 0.1 km 2/day [dar] 50 km: R Cloud Height, Top Welickin km 0.1 km: 0.1 km 1/day 0.02 km: R Cloud Height, Top Welickin km 0.1 km: 0.1 km 1/day 0.02 km: R Cloud Ice Content Bates kghr/2 0.02 : 0.02 1/day 10 km: G Cloud Ice Index Bates kghr/2 0.02 : 0.02 1/day 10 km: G Cloud Ice Index Bates kghr/2 0.02 : 0.02 1/day 10 km: G Cloud Ice Index Bates kghr/2 0.02 : 0.02 1/day 10 km: G Cloud Ice Index Barron mm 0.1 : 0.05 1/day 10 km: G Cloud Ice Index Barron mm 0.1 : 0.05 1/day 10 km: G Cloud Ice Index Barron mm 0.1 : 0.05 1/day 10 km: G Cloud Ice Index Barron <th< td=""><td>∞ </td><td>Cloud Height, Top</td><td>Murakami</td><td>Ę</td><td>:: 63</td><td></td><td></td><td></td></th<>	∞	Cloud Height, Top	Murakami	Ę	:: 63			
Cloud Height, Top Welicki Inn 0.1 Ibm:: 0.1 Ibm 2/day [dar] 100 Ibm:: 0.0 Ibm Cloud Height, Top Welicki Ibm 0.1 Ibm:: 0.1 Ibm 1/(16 day) 0.2 Ibm:: R Cloud Height, Top Welicki Ibm 0.1 Ibm:: 0.1 Ibm 1/(16 day) 0.2 Ibm:: R Cloud Height, Top Welicki Ibm 0.02 :: 0.02 1/day 10 Ibm:: G Cloud Ice Content Bates kg/m²/2 0.02 :: 0.02 1/day 10 Ibm:: G Cloud Ice Content Dickinson mm 0.1 :: 0.05 1/day 10 Ibm:: G Cloud Ice wise Content Dickinson mm 0.1 :: 0.05 1/day 10 Ibm:: G Cloud Ice wise Content Bates mm 0.1 :: 0.05 1/day 10 Ibm:: G Cloud Ice wise Content Bates mm 0.1 :: 0.05 1/day 10 Ibm:: G Cloud Ice wise Content Rer, Snoothian mm 0.1 :: 0.05 1/day 10 Ibm:: G Cloud Ice wise Content Miss Miss 1/day 10 Ibm:: G 1/day	6	Cloud Height, Top	Rothrock	5	0 2km :: 0 2km	1/400	180	: Cloud
Cloud Height, Top Welicki km 0.1 km 1/(16 day) 0.2 km Cloud Height, Top Welicki km 0.5 km 0.1 km 1/(14y) 0.2 km Cloud Ice Content Bates kghrv2 0.02 i.0.02 1/(4xy) 10 km 0 Cloud Ice Content Harman kghrv2 0.02 i.0.02 1/(4xy) 10 km 0 Cloud Ice Content Bates dimensionless 0.02 i.0.02 1/(4xy) 10 km 0 Cloud Lie were Content Dickinson mm 0.1 ii.0.05 1/(4xy) 10 km 0 Cloud Lie were Content Barron mm 0.1 ii.0.05 1/(4xy) 10 km 0 Cloud Lie were Content Bates mm 0.1 ii.0.05 1/(4xy) 10 km 0 Cloud Lie were Content Bates mm 0.1 ii.0.05 1/(4xy) 10 km <i td=""> 0 Cloud Lie were Content Ret km 0.1 ii.0.1 2/(4xy) (Li) 30 km 1 Cloud Lie were Content Ret</i>	2	Cloud Height, Top	Wielicki	5	0 1 km	2/dev fd m	SOLE : POR	:: Cloud
Cloud Height, Top Wielicki km 0.1 km of 10 km 0.1 km of 10 km 0.1	Z	Cloud Height, Top	Wielicki	E	0 1 5m : 0 1 5m	1/1/6 4-1	SOLUM :: K	O.1 Km :: Atmos
Cloud Ice Centent Bates kgm-2 0.0 mm, or of the Content volay (d.r) 2.100 km; G Cloud Ice Centent Hurmann kgm-2 0.02; 0.02 1/day 10 km; G Cloud Ice Index Hurmann kgm-2 0.02; 0.02 1/day 10 km; G Cloud Lie Index Dickinson mm 0.1; 0.05 1/day 10 km; G Cloud Lie water Centent Barron mm 0.1; 0.05 1/day 10 km; G Cloud Lig water Centent Barron mm 0.1; 0.05 1/day 10 km; G Cloud Lig water Centent Bates mm 0.1; 0.05 1/day 10 km; G Cloud Lig water Centent Bates mm 0.1; 0.05 1/day 10 km; G Cloud Lig water Centent Merici gm-2 20%; 10% 30 m; Lad/R 11 m; G Cloud Lig water Centent Weeklest gm-2 20%; 10% 30 m; Lad/R 10 km; G Cloud Lig water Centent Weeklest gm-2 20%; 10% 30 m; Lad/R 10 km; G Cloud Lig	23	Cloud Height, Too	Wielicki		0.5 1-1.0.1 1.11	1/(10 01)/1	0.2 km :: K	0.1 km :: Atmos
Cloud Ice Centent Harman kghrr2 0.02::002 1/day 10 km:: G Cloud Ice Centent Bates dimensionless 0.02::002 1/day 10 km:: G Cloud Ice Centent Dickinson m. 0.02::002 1/day 10 km:: G Cloud I.g. water Centent Barron m. 0.1::005 1/day 10 km:: G Cloud I.g. water Centent Barron m. 0.1::005 1/day 10 km:: G Cloud I.g. water Centent Barron m. 0.1::005 1/day 10 km:: G Cloud I.g. water Centent Barron m. 0.1::0.1 2/day [d,n] 50 km:: G Cloud I.g. water Centent Welleds g/mx2 20% :: 10% 1/day 10 km:: G Cloud I.g. water Centent Welleds g/mx2 20% :: 10% 2/day [d,n] 25 km:: G Cloud I.g. water Centent Welleds g/mx2 20% :: 10% 2/day [d,n] 25 km:: G Cloud I.g. water Centent Welleds g/mx2 20% :: 10% 2/day [d,n] 25 km:: C <t< td=""><td>ڃ</td><td>Claud Ice Content</td><td>Date</td><td>the factor</td><td>C.J. Lim</td><td>o/day [d.n.]</td><td>23-100 km :: G</td><td>0.1 km :: Atmos</td></t<>	ڃ	Claud Ice Content	Date	the factor	C.J. Lim	o/day [d.n.]	23-100 km :: G	0.1 km :: Atmos
Cloud Lig water Centent Dickinson dimensionloss 0.02 :: 0.02 1/day 10 km :: Ocean Cloud Lig water Centent Dickinson dimensionloss 2/day [d.n.] 2/day [d.n.] 30 km :: Of Cloud Lig water Centent Barron mm 0.1 :: 0.05 1/day 100 km :: Of 0.5 : 1 dg :: Of 0.5 : Of <td>یا:</td> <td>Cloud Ice Centers</td> <td>List</td> <td>xgmr.z</td> <td>0.02 :: 0.02</td> <td>1/day</td> <td>10 km :: G</td> <td></td>	یا:	Cloud Ice Centers	List	xgmr.z	0.02 :: 0.02	1/day	10 km :: G	
Cloud Lide water Content Dickinson dimensionless 2(day [d_n) 50 hm: G Cloud Lide water Content Dickinson mm 0.1:: 0.05 1/day 100 km: G Cloud Lide water Content Barron mm 0.1:: 0.05 1/day 100 km: G Cloud Lide water Content Barron mm 0.1:: 0.05 1/day 100 km: G Cloud Lide water Content Barron mm 0.1:: 0.05 1/day 100 km: G Cloud Lide water Content Kerr, Sonoodian mm 0.1:: 0.05 1/day 10 km: G Cloud Lide water Content Welicki g/mv2 200 k:: 10 km 30 km:: G Cloud Lide water Content Welicki g/mv2 200 k:: 10 km 30 km:: G Cloud Lide water Content Welicki g/mv2 200 k:: 10 km 30 km:: G Cloud Lide water Total Cohurn Melicki g/mv2 200 k:: 10 km 2/day [d_n] 12.25 km:: G Cloud Lide water Total Cohurn Lide kg/mv2 200 k:: 10 km 2/day [d_n] 10 km:: G Cloud Lide water To	2 2	Claud for Later	Therman	Kg/mv.7	0.02 :: 0.02	1/day	10 km :: Ocean	N/A:: Cloud
Cloud Liq water Content Dickinson nm 01::::::::::::::::::::::::::::::::::::	3 5	Cloud the inpex	Bates	dimensionless		2/day [d,n]	50 km :: G	N/A :: Cloud
Cloud Liq. water Content Dickinson mm 01::::::::::::::::::::::::::::::::::::	: :	Cloud Liq-water Content	Dickinson				<0.5-1 deg :: G	
Cloud Lig water Content Berron mm 01::0.00 1/day 100 km; G Cloud Lig water Content Bates mm 01::0.05 1/day 10 km; R Cloud Lig water Content Bates mm 01::0.05 1/dby 13 1 dg; G Cloud Lig water Content Kerr, Soroodian mm 01::0.1 2/day [dn] 13.1 dg; G Cloud Lig water Content Wielicki g/m² 20% : 10% 2/day [dn] 12.25 km; G Cloud Lig water Content Wielicki g/m² 20% : 10% 2/day [dn] 12.25 km; G Cloud Lig water Content Wielicki g/m² 50% : 10% 6/day [dn] 12.25 km; G Cloud Lig water Content Wielicki g/m² 50% : 10% 6/day [dn] 25.10m m; G Cloud Lig water Total Column Lau kg/m² 0.05 : 0.05 1/day 100 km; G Cloud Lig water Total Column Srokoz kg/m² 0.05 : 0.05 1/day 100 km; G Cloud Lig water Total Column Barron kg/m² 0.05 : 0.05 1/day <td< td=""><td></td><td>Cloud Liq-water Content</td><td>Dickinson</td><td></td><td></td><td></td><td><0.5-1 deg :: G</td><td></td></td<>		Cloud Liq-water Content	Dickinson				<0.5-1 deg :: G	
Cloud Lig water Content Barea mm 0.1 :: 0.05 1/day 10 km; R Cloud Lig water Content Batea mm 0.1 :: 0.1 2/day [d_n] ix 1 dg;: 0 Cloud Lig water Content Kear, Sorooshian mm 0.1 :: 0.1 2/day [d_n] 50 km;: G Cloud Lig water Content Welicki g/m²2 20%;: 10% 2/day [d_n] 50 km;: G Cloud Lig water Content Welicki g/m²2 20%;: 10% 2/day [d_n] 12.25 km;: G Cloud Lig water Content Welicki g/m²2 50%;: 10% 2/day [d_n] 12.25 km;: G Cloud Lig water Total Column Abbon kg/m²2 10%;: 15% 1/(1.2 day) 25 km;: G Cloud Lig water Total Column Abbon kg/m²2 0.05;: 0.05 1/day 100 km;: G Cloud Lig water Total Column Selfers kg/m²2 0.05;: 0.05 1/day 100 km;: G Cloud Lig water Total Column Selfers kg/m²2 0.05;: 0.05 1/day 100 km;: G Cloud Lig water Total Column Selfers kg/m²2 0.05;:	2	Cloud Liq water Content	Barron	mm	0.1 :: 0.05	1/day	100 Em	J km : Cloud
Cloud Lig water Content Bates nnm 01::0.1 2/day [d.1] 1x1 dg::G Cloud Lig water Content Rer, Sorooshian nnm 01::0.1 2/day [d.1] 50 km::G Cloud Lig water Content Welicki g/m²2 20%::10% 2/day [d.1] 30 m::Land/R Cloud Lig water Content Welicki g/m²2 20%::10% 5/day [d.1] 12.25 km::G Cloud Lig water Content Welicki g/m²2 20%::10% 5/day [d.1] 12.25 km::G Cloud Lig water Total Column Abboat kg/m²2 0.05::0.05 1/day 10 km::Ocean [Southern] Cloud Lig water Total Column Lau kg/m²2 0.05::0.05 1/day 10 km::Ocean [South Atlen] Cloud Lig water Total Column Sellers kg/m²2 0.05::0.05 1/day 10 km::Ocean [South Atlen] Cloud Lig water Total Column Sellers kg/m²2 0.05::0.05 1/day 10 km::Ocean [South Atlen] Cloud Lig water Total Column Sellers kg/m²2 0.05::0.05 1/day 10 km::Ocean [South Atlen] Cloud Lig water Total Column </td <td>2</td> <td>Cloud Liq water Content</td> <td>Berron</td> <td></td> <td>0.1 :: 0.05</td> <td>1/dav</td> <td>10 km :: R</td> <td>Pro C : E4</td>	2	Cloud Liq water Content	Berron		0.1 :: 0.05	1/dav	10 km :: R	Pro C : E4
Cloud Lig water Content Rates mm 01::0.1 2/day [dn] 50 km::0 Cloud Lig water Content Kerr, Sorooshian Wielicki g/m/2 2056::1056 2/day [dn] 30 m::Land/R Cloud Lig water Content Wielicki g/m/2 2056::1056 2/day [dn] 12-25 km::0 Cloud Lig water Content Wielicki g/m/2 5056::1056 6/day [dn] 25-100 km::0 Cloud Lig water Total Column Abboat kg/m/2 1056::1056 1/day 10 km::0 cean [Southern] Cloud Lig water Total Column Lau kg/m/2 0.05::0.05 1/day 10 km::0 cean [Southern] Cloud Lig water Total Column Sellers cloud Lig water Total Column sckozz kg/m/2 0.05::0.05 1/day 10 km::0 cean [South All m] Cloud Lig water Total Column Sellers sckozz kg/m/2 1056::0.1kg/m/2 2/day 10 km::0 cean [South All m] Cloud Lig water Total Column Sellers kg/m/2 1056::0.1kg/m/2 1/day 10 km::0 cean [South All m] Cloud Lig water Total Column Barron Barron <td><u>*</u></td> <td>Cloud Liq water Content</td> <td>Bates</td> <td></td> <td>:: 75%</td> <td>1/(6 hr)</td> <td>1 1 1 4</td> <td>1 E. O. 20 Lan</td>	<u>*</u>	Cloud Liq water Content	Bates		:: 75%	1/(6 hr)	1 1 1 4	1 E. O. 20 Lan
Cloud Lig water Content Ker, Soroodian gm/2 20% :: 10% 2(day [dar] 30 m: Land/R Cloud Lig water Content Wielicki gm/2 20% :: 10% 2(day [dar] 12-25 km :: G Cloud Lig water Content Wielicki gm/2 50% :: 10% 6/day [dar] 25-100 km :: G Cloud Lig water Total Column Abbont kg/m/2 0.05 :: 0.05 1/day 10 km :: Ocean [Southern] Cloud Lig water Total Column Lau kg/m/2 0.05 :: 0.05 1/day 100 km :: Ocean [Southern] Cloud Lig water Total Column Selers kg/m/2 0.05 :: 0.05 1/day 100 km :: Ocean [South Allan] Cloud Lig water Total Column Selers kg/m/2 10% :: 0.1kg/m/2 2/day 100 km :: Ocean [South Allan] Cloud Lig water Total Column Selers kg/m/2 10% :: 0.1kg/m/2 2/day 100 km :: Ocean [South Allan] Cloud Lig water Total Column Selers kg/m/2 10% :: 0.1kg/m/2 2/day 100 km :: Ocean [South Allan] Cloud Optical Depth Barron signer 1/day 100 km :: Ocean [South Allan] </td <td>×</td> <td>Cloud Liq water Content</td> <td>Bates</td> <td>mu</td> <td>0.1:01</td> <td>2/dev [d n]</td> <td>S.: 42: 2.</td> <td>11</td>	×	Cloud Liq water Content	Bates	mu	0.1:01	2/dev [d n]	S.: 42: 2.	11
Cloud Lig water Content Wielicki g/m/2 2058:: 1056 2/day [day] 2.5 km:: 3 G Cloud Lig water Content Wielicki g/m/2 5056:: 1056 6/day [day] 2.5-100 km:: 3 G Cloud Lig water Total Column Abbout kg/m/2 1056:: 556 1/day 25 km:: Ocean [Southern] Cloud Lig water Total Column Lau kg/m/2 0.05:: 0.05 1/day 100 km:: Ocean Cloud Lig water Total Column Selers 1,065:: 0.05 1/day 100 km:: Ocean Cloud Lig water Total Column Scokozz kg/m/2 0.05:: 0.05 1/day 100 km:: Ocean [South Allan] Cloud Lig water Total Column Scokozz kg/m/2 10%:: 0.1kg/m/2 2/day 10 km:: Ocean [South Allan] Cloud Optical Depth Barron 3%:: 3% 1/day 10 km:: Ocean [South Allan] Cloud Optical Depth Barron saccond Liday 1/day 10 km:: Ocean/R Cloud Optical Depth Barron dimensionless 1/day 10 km:: Ocean/R Cloud Optical Depth Barron dimensionless 1/day 10	×	Cloud Lig_water Content	Kerr, Soroochian				0 :: 100	N/A :: Cloud
Cloud Lig water Content Wielicki ghn/2 50% :: 10% 6/day [dx] 25-100 km :: 0 Cloud Lig water Total Column Abbout kghn/2 10% :: 5% 1/(1-2 day) 25 km :: Ocean [Southern] Cloud Lig water Total Column Lau kghn/2 0.05 :: 0.05 1/day 100 km :: Ocean Cloud Lig water Total Column Selers 10% :: 0.1kghn/2 2/day 100 km :: Ocean [South Allan] Cloud Lig water Total Column Scokozz kghn/2 10% :: 0.1kghn/2 2/day 100 km :: Ocean [South Allan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Allan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Allan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Allan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Allan] Cloud Optical Depth Barron dimensionless 1/day 100 km :: Ocean [South Allan]	اع	Cloud Liq_water Content	Wielicki	g/m^2	20% :: 10%	2/day (d n)	12.25	:: Cloud
Cloud Lig water Total Column Abbott kg/m/2 10% :: 5% 1/(1-2 day) 25 km :: Ocean [Southern] Cloud Lig water Total Column Lau kg/m/2 0.05 :: 0.05 1/day 10 km :: Ocean Cloud Lig water Total Column Selers 0.05 :: 0.05 1/day 100 km :: Ocean 100 km :: Ocean Cloud Lig water Total Column Scokogz kg/m/2 10% :: 0.1kg/m/2 2/day 10 km :: Ocean [South Atlan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Atlan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Atlan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Atlan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Atlan] Cloud Optical Depth Barron dimensionless 1/day 100 km :: Ocean [South Atlan]	5	Cloud Liq water Content	Wielicki	g/m^2	50%:: 10%	[d p] vep/y	25.100 12.00	MAN : Aunos
Cloud Lig water Total Column Hartmanm kg/m/2 0.05 :: 0.05 1/day 1/0 km :: Ocean Cloud Lig water Total Column Selers 0.05 :: 0.05 1/day 100 km :: Ocean Cloud Lig water Total Column Scokogz kg/m/2 10% :: 0.1kg/m/2 2/day 100 km :: Ocean [South Atlan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Atlan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Atlan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Atlan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Atlan] Cloud Optical Depth Barron dimensionless 1/day 30 m :: Ocean/R Cloud Optical Depth Barcon dimensionless 1/day 15 x 45 km :: G	∞	Cloud Liq water Total Column	Abbon	kg/m^2	10%::5%	1/(1-2 day)	25 km :: Orese (Scrubern)	MAN .: Author
Cloud Lig water Total Column Lau kg/m²2 0.05 :: 0.05 1/day 1/0 km :: Ocean Cloud Lig water Total Column Selers kg/m²2 10% :: 0.1 kg/m²2 2/day 10 km :: Ocean [South Atlan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean Cloud Optical Depth Barron 3% :: 3% 1/day 10 km :: Ocean/R Cloud Optical Depth Barron 3% :: 3% 1/day 10 km :: Ocean/R Cloud Optical Depth Barron dimensionless 1/day 10 km :: Ocean/R Cloud Optical Depth Bares dimensionless 1/day 15 x 45 km :: G	6	Cloud Liq_water Total Column	Hartmarm	kg/m^2	0.05 :: 0.05	1/dav	10 km :: Ocean	T. T. T.
Cloud Liq writer Total Column Seliers 100k :: 0.1kg/m² 2/day 100k ::: 0.1kg/m² Cloud Liq writer Total Column Srokoez kg/m² 10% :: 0.1kg/m² 2/day 10km :: Ocean [South Ailan] Cloud Optical Depth Barron 3% :: 3% 1/day 10km :: Ocean R Cloud Optical Depth Barron 3% :: 3% 1/day 10km :: Ocean R Cloud Optical Depth Batter dimensionless 1/day 30 m :: Ocean/R Cloud Optical Depth Batter dimensionless 1/day 15 x 45 km :: G	02	Cloud Liq water Total Column	Leu	ka/m/2	0.05:0.05	1/400	1001	Column : 170p
Cloud Lig_writer Total Cohumn Stokosz tg/m²/2 10% :: 0.1kg/m²/2 2/day 10 km :: Ocean [South Allan] Cloud Optical Depth Barron 3% :: 3% 1/day 100 km :: Ocean [South Allan] Cloud Optical Depth Barron 3% :: 3% 1/day 10 km :: Ocean/R Cloud Optical Depth Bates dimensionless 1/day 30 m :: Ocean/R Cloud Optical Depth Bates dimensionless 1/day 15 x 45 km :: G	=	Cloud Liq_water Total Column	Sellers			(may)	D::EM COL	WA:: Irop
Cloud Optical Depth Barron 3%::3% 1/day 10km:: Ocean Cloud Optical Depth Barron 3%::3% 1/day 10km:: Ocean/R Cloud Optical Depth Barron 3%::3% 1/day 30m:: Ocean/R Cloud Optical Depth Bates dimensionless 3%::3% 1/day 30m:: Ocean/R	77	Cloud Lig_water Total Column	Srokoez	ka/m^2	10% :: 0 1ke/m^2	2/dev	10 km :: Ocean Committee	+ 111
Cloud Optical Depth Barron 3%:: 3% 1/day 10 hm:: Ocean/R Cloud Optical Depth Bates dimensionless 3%:: 3% 1/day 30 m:: Ocean/L Cloud Optical Depth Bates dimensionless 1/day 15 x 45 km:: G	=	Cloud Optical Depth	Ветоп		3%::3%	1/day	100 Fair : Ocean South Atlant	D: V/N
Cloud Optical Depth Barron 3%::3% 1/day 30 m:: Ocean/L Cloud Optical Depth Bates dimensionless 3%::3% 1/day 30 m:: Ocean/L	2	Cloud Optical Depth	Berron		3434	1.4	The contract of the contract o	N/A :: Cloud
Cloud Optical Depth Bates dimensionless 1/day 15 x 45 km :: G	2	Cloud Optical Depth	Barron		3638	1/01/	10 km :: Ocean/R	N/A :: Cloud
Character 1 (day 15 km : G	, E	Cloud Onical Death	Beires	distriction of the second	R0:: R0	1/day	30 m :: Ocean/L	N/A :: Cloud
	1		South of the second	dilling is in the same of the		I/day	15 x 45 km :: G	2.4.X

Appendix K: IDS Input Requirements Listed by Product Name

	roauci ivame	0		Abs :: Ref	Resolution	Resol :: Coverage	Resol :: Coverage
7				10 200 \$ 100	2/dev. 1 /dev	\$.50 km :: Ocean/R	
3445	Cloud Optical Depth	HATTS	none	WOI-C WOY-01	, , , , , , , , , , , , , , , , , , ,		N/A :: Cloud
2306	Cloud Optical Depth	Hartmann	dimensionless	25% :: 0.25	1/day	IO KM :: Ocean	MAN CIM
3381	Cloud Optical Depth, LW	Dickinson				<0.5-1 deg :: G	
T	Cloud Optical Depth, LW	Wielicki	dimensionless	25%:: 10%	6/day [d,n]	25-100 km :: G	N/A :: Atmos
П	Cloud Ordical Depth, SW	Dickinson				<0.5-1 deg :: G	
Т	Cloud Ontical Depth. SW	Wielicki	dimensionless	25% :: 10%	3/day [d]	25-100 km :: G	N/A :: Atmos
Т	Clayd Pressure Ton	Bates	mp	50 mb :: 20 mb	2/day	5 km :: G	N/A :: Cloud
Т	Cloud Buseries Ton	Dickinson				<0.5-1 deg :: G	
Ţ	Closed Filterian	Moore	cal/cm/2/day	10% :: 10%	1/wk	1 km :: G	:: Cloud
\top	Cloud Kadiation	Detail	When		1/wk	500 km :: G	:: Atmos
Т	Cloud Kadiauve Forcing	Dates Windsale	• ""	\$424	TBD	10 dg [Angle] :: G	N/A :: Cld
Т	Cloud Reflectance, Bi-directional (BRUF)	Wicht.	6	ζα 2€.	1/dav	0.2-2 km :: R	N/A :: Cloud
Т	Cloud Reflectance, Bi-directional, (BKDF)	WEIGH	HECHON	:		0::	N/A :: Cloud
\neg	Cloud Spectral Char	3 .					
П	Cloud Temperature	Sellers		1::6	1 May	100 km :: G	N/A :: Cloud
2458	Cloud Temperature, Emission	Barron	W	1 : -	1/dev	10km :: R	N/A :: Cloud
2459	Cloud Temperature, Emission	Barron	4	77		A \$1 dee G	
3386	Cloud Temperature, Emission	Dickinson		200	(a b)b) C	14 . A5 km : G	N/A :: Cloud
2460	Cloud Temperature, Top	Bates	*	IA :: U.S A	furni km/7	0 de G	
3387	Cloud Temperature, Top	Dickinson				0 :: 800 F-C-O	Paro :
2461	Cloud Temperature, Top	Hanson	*	2%:	I/w/Ľ	D:: WXOOC	moi):
¥.	Cloud Temperature, Top	Harris	×	1-2 K :: 0.5-1 K	2/day-1/day	S-SU KM :: Ocean/K	ξ
2462	Cloud Temperature, Top	Kerr, Sorooshian	×	5%:: 5%	型/1	SOO m :: Land/R	:: Cloud
3396	Cloud Transmissivity	Dickinson				<0.5-1 deg :: U	5
2544	Cloud Transmissivity	Rothrock		0.1::0.1	1/day	100 km :: Polar	N/A :: Cloud
3307	Cloud XXX. PSC	Grose	no/cm^3	20%:: 10%	2/day	15 x 4 dg :: G	2 km :: Strat
1158	DMS Cone	Schoeberl	pop	20%:: 0.1	1/wk	8 x 10 dg :: G	S Km :: 1rop
2002	Drainage Basin Boundary	[Jau	km^2	100m^2 :: 100m^2	1/mission	10 m :: Land/L	N/A :: Sfc
200	Designed Network Structure	Barron	E	30 ш ::	1/(3 то)	30 m :: Land/L	N/A :: Sfc
200	Desirate Natural Structure	Isacks	feature recog.		1/mission, 1/yr	15-30 m :: Land/R	N/A :: Sfc
3410	Electric Conductivity	Dickinson				<0.5-1 deg :: G	
1 2	Electric Etald Strength DC	Dickinson				<0.5-1 deg :: G	
3 2	Riedman Brares Specific	Schoeberl	electru/cm^2/s/kcV	20% :: 15%	1/day	5 dgLAT :: G	N/A :: 50-700 km
2000	Contine Dark Westberine	Barron			1/mission	10 km :: Land/R	N/A :: Sfc
200	Essein Dark Westberine	Berron			1/mission	100 km :: Land	N/A :: Sfc
ی او	Election Note we contain	Isacks	м	1::0.4	1/wk	50 km :: Land/R	1 km :: Trop
2/2	Erupton-Fining Assi Caroniana	Moneinis-Mark	km/dav	1 km::	1/orbit, 1/day	1 km :: Land/L	N/A :: Plume col
5/76	Eruption-rituing Dispersed	Moneinie-Mark			1/day	1 km :: Land/R	N/A :: Plume_col
7975	Engularitative Faulta Name Francisco Bare) Managinia-Mari	ate) Moneinis-Mark	kton/dav		1/day	:: C	N/A :: Plume col
200	F. C. C. B. C. Marketter Communication of the Commu	Moneinis-Mark	5	200m(ver) ::	1/day	1 km :: Land/R	N/A :: Plume col
2828	Eruption-Plume Height	Peter Manoinis-Mark	kton/day		1/day	1 km:: G	N/A :: Plume col
3289		Moueinis-Mark	U	10C::	2/day [d,n]	100 m :: R	N/A :: Plume_col
3293	7	Mousinis-Mark	leton/dav		[near-real time ?]	1 km :: G	N/A :: Plume_col
3288	\neg	Dickingon				<0.5-1 deg :: G	
33	_	Dickinson				<0.5-1 deg :: Land	
3398	Fire Extent	Dickinson		: 50	1 Anir	\$00 km : 1 and	:: Sfc
7997	Fre XXX	Hansen		: 200	1 Awk	\$00 km :: I and	:: Sfc
2658	Forest Deforestation	Hansen		:: 0.01	1/WK	0.36 1 km: Ocean	
	1	N. Carrie	Ę	20%::10%	2-10 Gays	U.C1 KITE: OCCUPA	

Appendix K: IDS Input Requirements Listed by Product Name

į				Ahe Bel	Deschinist	Horizoniai	Vertical
3213	Gelbstoff Absoration Coef@300mm	Bremer	1	702 :: VEI	кезошпоя	Kesol :: Coverage	Resol :: Coverage
2	1	Dicwa	E	30% :: 10%	1/day, 1/scas	30 m :: Ocean/L	N/A :: T00
17	1	Brewer	Ę	50% :: 10%	1/day, 1/seas	20 km :: Occan	NA:: TOO
9	7	Isacks	шш	3 mm :: 1 mm	l/scas, 1/yr	point :: Land/R	N/A :: Sfe
200	1	Isacks	mm	5 mm :: 2 mm	1/seas, 1/yr	point :: Lend/R	N/A : Sfc
498	T	Bates	m/km	0.04m/km ::	2/day	4 x 4 de :: G	1-1 5 km -: Atmos
2923	_	Isacks	km^2	5%:: 2%	l/bens	10-30 m :: I and/I	N/A · Cr
283	ヿ	Simard	E	:: E501	l/vr. l/seas	:: Canada/R	N/A :: 6fc
1856	┪	Schoeberl	ratio to H2O	10% :: 10%	1/dav	10 de :: 0	3 br :: Sar
8	H2O Conc	Bates	g/m/3	5.10% :: 1.5%	2//av	4 - 4 4 - 1. 0	The contract
1811	H2O Conc	Grose	mix ratio	15456	1470	D:: 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1-1.5 km :: 10-80 km
1819	Г	a A	min min min	S.C.: B.C.I	(appr)	30 x 4 dg :: G	3 km :: Trop/meso
1821	1	C. Amelical	titik ratio (-togato)	10% :: 3%	2/day	15 x 4 km :: G	3 km :: Strat
1822	1	Schooled	bbu	10% :: 5%4,0.058	1/day	2x3dg::G	1.5 km :: 0.5 trat
12	Т	Schoeden	mod.	10% :: 0.05	1/day	4 x 5 dg :: G	2.5 km :: Meso
	1120 CUR, SUBLOSPIECIC	Hansen		3% ::	1/wk	500 km :: G	Column :: Strat
8	Т	Crose	mix ratio	25% :: 10%	2/day	30 x 10 dg :: G	3 km :: Strat
9	Т	Pyle	mix ratio (-log10)	20% :: 10%	2/day	15 x 4 km :: G	3 km · Strat
1168	Т	Schoeberl	qdd	20% :: .11,.05s	1/wk	8 x 10 de :: G	2 km : Grat
128	\neg T	Grose	mix ratio	25% :: 10%	1/day	30 x 4 de G	2 km : Orai
=	П	Pyle	mix ratio (-log 10)	25% :: 10%	2/dav	15 x 4 km G	1 Lan. 1 Care
= 13	\neg	Schoeberl	POR .	20% 1	1441	8 10 de :: 0	J. L. Sunt
3	HCN Cone	Schoeberl	qdd	20% :: 0.01	1 Aut	0::00:00	Jane :: Suat
1182	HCI Cone	S.C.C.	mix ratio	154104	1.000	0.1000	JEJN :: CALL
183	HCI Cone	Pele	mix ratio (.loe10)	15.00 5.00	1/Only	30 x 4 ag :: G	3 km :: Mid-atmos
28	HCI Cone	Schoeberl	(a.gar.) american	8.C .: 9.2.	Kr0/7	Dx4Kgn::G	3 km :: Strat
19	HF Cone	Canada	-:-	13.6 :: 0.1	1/day	4 x 5 dg :: G	2 km :: Strat
200	HF Cone	Pole	0.000	10.00 HOVE	I/day	30 x 4 dg :: G	3 km :: Strat
ě	HE Cons	ryie 6-44	mix ratio (-10g 10)	15%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
	Those Cons	Schoeben	886	15% :: 0.05	1/day	4 x 5 dg :: G	2 km :: Strat
8 8	TAYOS CORE	Crose	mix ratio	20% :: 5%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos
	HNO3 CORE	Pyle	mix ratio (-log 10)	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
8	HNO3 Conc	Schoeberl	pop	15%:: 0.1	1/day	2×3 dg :: G	2 km :: Strat
2	HNO4 Conc	Grose	mix ratio	50% :: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
8	HNO4 Conc	Schoeberi	956	20% :: 0.02	1/wk	8 x 10 de :: G	3 km : Graf
1210	HNOx Conc	Pyle	mix ratio (-log 10)	25% :: 10%	2/dav	15 x 4 km :: G	1 km : Omi
1212	HO2 Conc	Grose	mix ratio	25% :: 10%	2/dav	30 x 10 de G	2 bm .: Mid at
1213	HO2 Conc	Pyle	mix ratio (-log 10)	25% :: 10%	2/day	15 - 4 1-2 : 0	S ATH IMIG-BUILDS
1214	HO2 Conc	Schoeberl	200	15%::002	1/dev [d]		Mary Commercial
1218	HOCI Conc	Grose	mix ratio	20% :: 10%	2. Carlo	D:: 42	Tane :: Hard 7
1219	HOCI Conc	Pyle	mix ratio (-log 10)	25% :: 10%	2/day	15 * 4 100	JENS :: Ear C
1220	HOCI Conc	Schoeberl	900	20% :: 0.02	1 Auch	D.: 104::0	Jane :: mar c
<u>3</u>	Heat Flux, Latent	Bates	W/m^2 or mm/day	10::10	1 May	100 100	S KIN SKIN
1465	Heat Flux, Latent	Batcs	W/m/2	:: 20%	1//3 dev)	100 to 030 :: mai 001	31C :: WA
1467	Heat Flux, Latent	Brewer	W/m/2		May 1 hose		A114
3327	Heat Flux, Latent	Dickinson					N/A :: SIC
1468	Heat Flux, Latent	Leu	W/m/2	10% :: 10%	-W-	30 m : I and 0	MA 66.
1475	Heat Flux, Net	Murakami	W/m^2		n:/:	30 m :: L4nd/L	N/A :: SIC
1476	Heat Flux, Sensible	Bates	W/m^2	20%	1 May	TA 1-00	
1477	User Give Consists	Dennier	W/LA3		(m)	14780 OK 11761	

Appendix K: IDS Input Requirements Listed by Product Name

Prod	Product Name	Investigator	Units	Accuracy Abs :: Rel	I emporai Resolution	Horzoniai Resol :: Coverage	Resol :: Coverage
						O S. I dea :: Ocean	
3328	Heat Flux, Sensible	Dickinson					1111
1479	Heat Flux, Sensible	Lau	W/m^2	10% :: 10%	1/4	30 m :: Land/L	N/A :: SIC
2131	Heat Flux, Sfc	Dozier	W/m^2	10%:: 10%	1/wk	50 m :: Land/L	N/A :: Sfc
1501	Heating Rate, Latent	Lau	Cklay	0.5 C/dy :: 5%	1/то	S00 km :: G	2 km :: Trop
1502	Heating Rate, Latent	Lau	C/day	1 C/dy :: 5%	1/day	50 km :: R	1 km :: Trop
3326	Heating Diabatic.	Dickinson				<0.5-1 deg :: G	
1463	Heating, Latent	Bates				25 km :: G	10 lvl :: Trop
1818	Himidir	Murakami	g/tg	10% ::			
1808	Humidity Profile	Abbott	e/ke	10% :: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	l km :: Trop
ğ	Humidity Brofile	Barron	s/ks	10% :: 5%	1/dary	10 km :: R	gorT ::
1807	Umidin Dofie	Rarmon	ehe	10% :: 5%	1/day	100 km :: G	:: Trop
201	Usmidisc Profile	Parce	e/ke	10%:: 5%	2/day [d,n]	50 km :: G	2 km :: Atmos
2363	Useridia Profile	Dickinson				<0.5-1 deg :: G	
1613	Umidin Profit	Hance	mix ratio	3%::	1/wk	500 km :: G	:: Atmos
7101	H : Als. D. Gla	Henem		3%::	1/wk	500 Jzm :: G	:: Trop
	Useridian Desgla	Harris	e/ke	10% :: 5%	2/day	10-50 km :: Ocean/R	1 km :: Atmos
	Hamilton Desile	Hertmenn	e/ke	10% :: 10%	1/day	10 km :: G	1 km :: 0-15 km
101	Internating Frontie	Teache	e/ke	10% :: 0.05	1/wk	50 km :: Land/R	2 km :: Trop
Cie	running riving	Ver Comorbian	e frmA1	10%:: 10%	2/day	S0 km :: Land	1 km :: Atmos
919	rumuniy rrolle	I in		0.5::0.5	1/day	25 km :: Ocean	0.5 km :: Trop
	Humany Profile	Sell-re	9 d	: 10%	4/dav	100 km ::	0.5 km :: Trop
221	ruminity riolik	Tesler	- 44-	%.	4/dav	50 km :: G	1 km :: Atmos
22	Humidity Profits	Wielichi	e/ke	20% :: 10%	4/day [d.n.]	1.25 dg :: G	2 km :: Atmos
979	Humany roune	Contract	- W-	0.3e/ke :: 0.1e/ke	2/day	10 km :: Ocean [South Atlan]	
1974	numinary regular, Specials	Dickingon				<0.5-1 deg :: G	N/A:: Near_sfc
*C.C.	rumminy, iven aic	Dothonch	e.frmA3		1/day	100 km :: Polar	:: Neur_sfc
0791	Humany, New Sic	Ker Somochian		10% :: 10%	1/4	1 km :: Land/R	N/A :: Sfc
199	Humany, Remove, Iven sic	Deine	dimensionless		2/dav [d.n]	50 km :: Land/Cryo	N/A :: Sfc
2918	ice Shed Cover	Dates		:: 60	1/v. 1/sess	:: Canada/R	N/A :: Sfc
2896	┑	Sumard	E .	::00:	1/(3 mo)	10 km :: Land/Crvo	:: Sfc
200	Т	Barron	11811	::001	1/(3 mo)	100 km :: Land/Cryo	:: Sfe
2801	_	Foots		0	204	10 m :: Land/Cyro	N/A :: Sfc
8	\top	Sacks		: BE (0)	1/(3 mo)	10 km :: Land/R	N/A :: Sfc
2909	_	Summer		100	1/(3 mo)	100 km :: Land	N/A :: Sfc
2910	1	D. Tarrid		1 K ::	1/wk	10 km :: Land/Cryo	N/A :: Sfc
Ē	ice shed i amperaure	Derron	4 ×	. X	1/wk	100 km :: Land/Cryo	N/A :: Sfc
8	7	Dickingon	4			<0.5-1 deg :: Land/Cryo	
3368	Т	Berno		::081	1/(3 mo)	10 km :: Land/Cryo	:: Ste
	1	Berre	unu.	::081	1/(3 mo)	100 km :: Land/Cryo	30 m :: Sfc
200	To Shoot Hitchines	Simend		100 mm ::	1/(3 mo)	10 km :: Land/R	N/A :: Sfc
200	T	Simand		100 mm ::	1/(3 mo)	100 km :: Land	N/A :: Sfc
8	T	Ramon	yw.	::		:: Land/Cryo	N/A :: Sfc
5263	Т	Hansen	mix ratio	2%::	1/wk	500 km :: G	:: Trop
7/51	1	Kerr. Sorooshian	17		1/yr	30 m :: Land/R	
0000	\top	Lau	m^2	10% :: 5%	1/wk	100 m :: Land/L	N/A :: Sfc
30.00	1	Moore	ha/km^2	20% :: 20%	1/wk, 1/mo	1-25 km :: Land	:: Stc
6737			**	2000 2000	1.4.6	1.25 km I and	

Appendix K. IDS Input Requirements Listed by Product Name

ĕ . •	Froduct Name	Investigator	Units	Accuracy	Temporal	Horizontal	Vertical
•				Abs:: Rel	Resolution	Resol :: Coverage	Resol :: Coverage
3384	Irradiance, Incident, Sfc	Dickinson				<0.5-1 deg :: G	
289	Irradiance, Solar	Abbott	W/m^2	5%:: 1%	1/(1-2 day)	1.4 km :: Ocean (Southern)	N/A :: Sfe
1122	Irradiance, Solar	Grose	W/m ^2/nm	5%:: 1%	2/day	15x4de::G	YOL:
272	Irradiance, Solar	Hansen		0.05% ::	1/wt	500 km :: G	AOT ::
2273	Irradiance, Solar	Pyle	W/m ^2/m	3-1 ::	2/day	15 x 4 km :: G	3 km :: Strat
272	Irradiance, UV Solar	Brewer	E/m^2/s/Hz	20% :: 5%	1/day, 1/seas	30 m :: Ocean/L	
27.76	Irradiance, UV Solar	Brewer	E/m^2/s/Hz	20% :: 5%	1/day, 1/scas	20 km :: Ocean	
2279	Irradiance, Visible Solar	Brewer	E/m^2/s/Hz	20% :: 5%	1/day, 1/seas	20 km :: Ocean	
2280	Irradiance, Visible Solar	Brewer	E/m^2/s/Hz	20% :: 5%	1/day, 1/scas	30 m :: Ocean/L	
3062	Lake Extent	Ваттоп	m^2	10% :: 10%	1/day	:: Land/R	N/A :: Sfc
3059	Lake Extent	Isacks		•		15-30 m :: Land/L	N/A :: Sfc
3203	Lake Water Attentiation Coef	Richey, Batista	Æ	10% :: 10%	1/wk	1 km :: Land/R	NA: TOO
2812	Lake Water Chemistry, XXX	Richey, Batista	g/m^3	(10%),5% :: [5%],10%	1/wk	1 km :: Land/R	N/A :: Sfc
2654	Lake Water Chlorophyll Conc	Richey, Batista	g/m^3	20% :: 10%	1/wk	1 km :: Land/R	NA: TOO
3291	Lake Water Temperature, Volcano Summit	Mouginis-Mark	ບ	2C::	1/(3 mo)	100 m :: Land/L	N/A :: Sfc
2855	Land Heat Capacity	Kerr, Sorooshian				30 m :: Land/R	N/A :: Sfc
2541	Land Thermal incrtia	Kerr, Sorooshian	cal/cm^2/K/s	.008 :: .004	1/(16 day)	60 m :: Land/R	N/A :: Sfc
2112	Land afe Emissivity	Bates	dimensionless	0.05 :: 0.025	2/day [d.n]	S0 km :: Land	N/A :: Sfc
3373	Land afc Emissivity	Dickinson				<0.5-1 deg :: Land	
2123	Land afe Emissivity	Kerr, Sorooshian	*	0.05 :: 0.05	£⁄Ι	90 m :: Land/R	N/A :: Sfc
2120	Land_sfc Emissivity	Wielicki	fraction	0.025 :: 0.025	2/day [d.n.]	1.25 dg :: Land	N/A :: Sfc
3487	Land afe Emissivity, LW (8-12u)	Chlar	fraction	0.025:: 0.025	10 day	1.25 deg :: Canada/R	N/A :: Sfc
2125	Land sfc Emissivity, Spectral	Isacks			1/31	15-90 m :: Land/L	N/A :: Sfc
2437	Land sfc Reflectance Factor, MODIS	Cihlar		0.05 :: 0.001	1/(3 то)	0.25 km :: Canada/R	N/A :: Atmos
2041	Land sfc Reflectance, Bi-directional Spectral, (BRI Sellers	Sellers				250-500 m :: Land	
3369	Land stc Reflectance, Bi-directional, (BRDF)	Dickinson				<0.5-1 deg :: G	
2034	Land sfc Reflectance, Bi-directional, (BRDF)	Sellers					
2043	Land afc Reflectance, Bi-directional, SW_Broadba Wielicki	Wielicki	fraction	5%:: 2%	1/day [d]	0.2-2km :: R	N/A :: Sfc. Atmos
2044	Land afc Reflectance, Bi-directional, SW_Broadba Wielicki	Wielicki	fraction	5%:: 2%		10 dg [Angle] :: G	N/A :: Sfc, Atmos
2426	Land afe Reflectance, Directional	Brewer		3%:: 1%	1/day, 1/scas	1.7 km :: Ocean	N/A :: Sfc
2427	Land afe Reflectance, Directional	Brewer		3%:: 1%	1/day, 1/scas	.22 km :: Ocean/L	N/A :: Sfc
2428	Land stc Reflectance, Directional	Kerr, Sorooshian	*	3%:: 5%	1/(2 mo)	30 m :: Land/R	:: Sfc
<u>35</u>	Land atc Roughness	Berron	E	10% :: 0.1	1/mission, 1/yr	10 km :: Land/R	N/A :: Sfc
1546	Land aff Roughness	Berron	E	10% :: 0.1	1/mission, 1/yr	30 m :: Land/L	N/A :: Sfc
187	Land aft Roughness	Berron	E	10% :: 0.1	1/mission, 1/yr	100 km :: Land	N/A :: Sfc
1553	Land afc Roughness	Isacks	E	2 cm :: 1 cm	1/mission, 1/mo	30 m :: Land/L	N/A :: Sfc
1549	Land sfc Roughness, Acrodynamic	Kerr, Sorooshian	сш	0.1 m :: 0.2 m	1/seas	25 km :: Land	N/A :: Sfc
1550	Land_afc Roughness, Acrodynamic	Lau	cm	10% :: 10%	1/14	30 m :: Land/L	N/A :: Sfc
1551	Land afe Roughness, Acrodynamic	Lau	ca.	10% :: 10%	1/wk	10 km :: Lend/R	N/A :: Sfc
1552	Land afc Roughness, Geometric,	Kerr, Sorooshian	æ	0.1 cm :: 0.2 cm	2/mo	25 km :: Land	N/A :: Sfc
3389	Land sfc Temperature	Dickinson				High res :: Land	
3390	Land afc Temperature	Dickinson				Low res :: Land	
3391	Land sfc Temperature	Dickinson				Med res :: Land	
2477	Land stc Temperature	Hanson	K	0.2 C ::	1/wk	500 km :: Land	:: Sfc
2476	Land sfc Temperature	Richey, Batista	K		1/day	:: Land/R	N/A :: Sfc
2478	Land sfc Temperature	Sellers		::		500 m ::	
1117	I and of Temperature	Simend	*	1.3::1.07	2//400		

Appendix K: IDS Input Requirements Listed by Product Name

3313		•					
3313				Abs :: Rel	Resolution	Resol :: Coverage	Resol :: Coverage
1	Land_sfc Temperature	Simand	×	1.3:: 1.07	2/day	10 km :: R/Canada	N/A :: Sfc
27.72	Land afc Temperature, Skin	Barron	×	1 :: 0.5	1/day	30 m :: Land/L	N/A :: Sfc
2473	Land afc Temperature, Skin	Barron	×	1::0.5	1/day	10 km :: Land/R	N/A :: Sfc
2474	Land afc Temperature, Skin	Barron	×	1::0.5	1/day	100 km :: G	N/A :: Sfc
2475	Land sfc Temperature, Skin	Bates	×	1.0K :: 0.5 K	2/day [d,n]	50 km :: Land	N/A:: Sfc
3450	Land sfc Temperature, Skin	Harris	×	0.5::0.2	2/day	20-50 km :: Occan/R	
2496	Land sfc Temperature, Skin	Isacks	×	1-3::1	1/wk	1 km :: Land/R	N/A :: Sfc
2497	Land sfc Temperature, Skin	Isacks	×	1-6:: 0.3	1/wk	90 m :: Land/L	N/A :: Sfc
2479	I and of Temperature Skin	Wielicki	×	1 K :: 0.5 K	4/day (d.n.)	1.25 dg :: Land	N/A :: Sfc
2538	I and of Termerature Difference Dav-Night	Bates	×	0.5 K :: 0.25 K	1/day	50 km :: Land	N/A :: Sfc
3305	I and of Terresaline Difference Day Night	Dickinson				<0.5-1 deg :: G	
3840	I andform Distribution	Ramor	E	30 m ::	1/(3 mo)	30 m :: Land/L	N/A :: Sfc
	I 16 Distriction	Teache	feature record		1/mission	15-30 m :: Land/R	N/A :: Sfc
3 8	Т	Isache		10 cm :: \$ cm	1/mission	[2-D sect]:: Land/L	N/A :: Sfc
6007	T	Mension Mark	- AMer	30 m(hor) :-	2/day [d.n.]	30 m :: Land/L	N/A :: Sfc
7070	Tava-riow Advance Nave	Moneinia Mark	mv3	COmwa ::	2/dav [d.n]	30 m :: Land/L	N/A :: Sfc
200	Т	Moneinia Mark		1000	2/day [d.n]	30 m :: Land/L	N/A :: Sfc
7675	LAVE-Flow Lemporature	Moneinia-Mark	, E	\$ cm(ver) ::	Levent	30 m :: Land/L	N/A :: Sfc
1636	Т	Smbore	e e	0.2dB:: 0.1dB	1/(10 day)	10 km :: Ocean [South Atlan]	N/A :: Sfc
	+	Harrie	I I	20%::10%	2-10 days	0.25-1 km :: Ocean/R	
	Τ	Chler		2 dB :: 1 dB	1/(3 mo)	25 m :: Canada/R	N/A :: Sfc
2 00 12	1	Srokosz	8	0.3 dB :: 0.1 dB	1/day	25 km :: Ocean [South Atlan]	N/A :: Sfc
3128	1	Srokosz	8	0.02(bin) :: 0.1dB	1/(10 day)	10 km :: Ocean [South Atlan]	N/A :: Sfc
5106	1	Srokoez	æ	0.2 dB :: TBD	[occasional]	25 m :: Ocean [South Atlan]	N/A :: Sfc
7602		Brewer	dB	10%:: TBD	1/day, 1/scas	25 km :: Ocean	N/A :: Sfc
2346	1	Bates		::			
2349	Г	Bates	×	0.2dg NEdT :: 0.2dg NEdT	2/day [d,n]	40 x 40 km :: G	V/N :: V/N
2355	1	Wielicki	W/m^2/sr/um	15%,LW.2K :: SW2%,LW.	2/day [d,n]	1 km :: R	N/A :: Atmos
2358		Wielicki	W/m^2/sr/um	72%LW1%:: SW2%LW	6/day [d,n]	25 km :: R	N/A :: Atmos
2351	Г	Bates	×	D.2dg NEdT :: 0.2dg NEdT	2/day [d.n]	15 x 15 km :: G	N/A :: N/A
2389	 -	Sellers	W/m^2/sr/um				
3310		Srokosz	W/m^2/sr/um	0.05% ::	1/day	1 km :: R	N/A :: Atmos
2390		Wielicki	W/m^2/sr/um	15%.LW.1K :: SW2%,LW.	2/day [d,n]	0.25-1 km:: R	N/A :: Atmos
3485		Sellers	W/m^2/sr/un			4	
214	Level-2 Radiance, Water-leaving	Brewer	E/m^2/k/Hz	10%:: TBD	1/day, 1/scas	30 m :: Ocean/L	N/A:: 100
2415	1	Brewer	E/m^2/k/Hz	10%:: TBD	1/day, 1/seas	20 km :: Ocean	N/A:: TOO
¥ 7		Harris	mW/(cm^2-sr-um)	10% :: 5%	1/day	1-20 km :: Ocean/R	
3340	-	Dickinson				<0.5-1 deg :: G	
1757	1	Barron	/8	10%:: 10%	1/day	10 km :: G	У/А :: Аттов
3341	П	Dickinson				<0.5-1 deg :: G	
1758		Kerr, Sorooshian	#/hr	1::1	1/(10 min)	1 km :: Land	a. Trop
2778		Isacks	8		1/mission, 1/mo	15-30 m :: Land/L	N/A :: Sfc
3356	Moisture Flux, Horizontal,	Dickinson				<0.5-1 deg :: G	N/A: Trop
1229	N20 Conc	Grose	mix ratio	15%:: 5%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
1230	N2O Conc	Hansen	mix ratio		1/wk	500 km :: G	.: Trop
1231	N2O Conc	Pyle	mix ratio (-log10)	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
1232	П	Schoeberi	pdd	15%:: 10	1/day	2x3dg::G	Z Km :: Strat

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Appendix K: IDS Input Requirements Listed by Product Name

*				Abs :: Rel	Recolution	Desc.	Daniel
1250	N2O5 Cone	Grose	mix retio	204 104.	2,44	agniana corenge	Acsol Coverage
1251	N2O5 Conc	Pole	mir mir 1, 1, 100	# OF 11 POS	Kro/7	30 x 4 dg :: C	3 km :: Mid-atmos
1252	N2O5 Cone	O. P. C. L.	HILL I BUD (-10810)	20% :: 10%	2/day	15x4km::G	3 km :: Strat
1262	NO CASE	Salucocii	Doo	15% :: 20%	1/day	8 x 10 dg :: G	3 km :: Strat
1263	NO Cons	285	mix retio	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
1361	SO CON	ryie .	mix ratio (-log 10)	15%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
136	Mode	Schoeberi	DDD DDD	15% :: .2s,1.0m	1/day [d]	4 x 5 dg :: G	2 km :: Mid-atmos
à s	NOZ CORC	Grose	mix ratio	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
2/2	NO2 Conc	Pyle	mix ratio (·log 10)	15% :: 5%	2/day	15x4km::G	3 km :: Strat
1/7:	NO2 Conc	Schoeberi	pop	10% ::	1/day	4 x 5 de :: G	2 km :: Mid-atmos
1279	NO3 Conc	Grose	mix ratio	20% :: 10%	1/day [n]	30 x 4 de :: G	3 km Mid.atmos
1280	NO3 Conc	Pyle	mix ratio (-log 10)	25% :: 10%	1/day [n]	15 4 km :: G	2 ben :: Come
1294	O(3P) Conc	Grose	mix ratio	30% : 10%	1 And	D : 117 + VC1	S ICH STREET
1295	O(3P) Conc	Pie	mix ratio (.los 10)	158 58	1,41	D:: Mp + x oc	S KM :: Mid-atmos
1296	O(3P) Cone	Chook	(01901-) 01001 01111	erc: erci	I/WK	15 x 4 km :: G	2 km :: Strat
305	O3 Conc	Descri	odd	15% :: 10%	1/wk [d]	8 x 10 dg :: G	3 km :: Strat
305	Officers	Dane C		5-10% :: 1-5%	2/day	4x4dg::G	1-1.5 km :: 10-80 km
136	2000	365	mix ratio	2%,5% :: 2%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
	US Conc	Hansen	mix ratio	3%::	1/wk	500 km :: G	:: Atmos
s s	CO COME	Moore	ррту	25% :: 10%	1/day	100 km :: G	:: Atmos
1310	O3 Conc	Murakami	ppmv (mix ratio)	10% ::			ACT :: A/N
1331	O3 Cone	Murakami	/m^3	5.10% :: 2.10%			
1311	O3 Conc	Pyle	mix ratio (-log 10)	5%:: 2%	2/day	15 x 4 km · G	7 km Street
1312	O3 Conc	Schoeberl	wdd	10%:: 10%	1/dev	4 - 5 de G	A C L- T
1313	O3 Conc	Schoeberi	mdd	10% :: 5%	1/day	0 : 90 C + C	1 C L Mid
1308	O3 Total Burden	Kerr, Sorooshian	mod	5% 5%	1 May	2.50	SOUTH-DIM :: INTO-1-10
1342	03(18/000) Conc	Schoeberl	ratio to ^ (48)O3	10% 10%	14.1	O :: 100 :: 0	Column :: Aunos
1354	OCS Conc	Schoeber	don	20060.1	1/46	D :: 30 01 x 8	S KERN :: SURAK
1349	OCIO Conc	302	mir setio	2007 100	1/WK	3 × 10 dg :: G	3 km :: Strat
1350	OCIO Cone	Pede	in the second second	2078:: 1078	Z/day	30x4dg::G	3 km :: Strat
1381	CCIO Cons	0-1-1-1	mix rado (-10g10)	25% :: 10%	2/day	15 t 4 km :: G	3 km :: Strat
355	OU Cons	Schoeden	odd	20% :: 0.01	1/wk [n]	8 x 10 dg :: G	3 km :: Strat
2 2	On Contract of the Contract of	2005	mix ratio	25%:: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
1756	On Conc	Pyle	mix ratio (-log10)	20%:: 10%	2/day	15 g 4 km :: G	2 km :: Strat
9661	OH Conc	Schoebert	QQQ	10% :: .02s,.05m	1/day [d]	D:: 8p 8 \$ 9	2 km :: Mid-atmos
2	Ocean Productivity, Primary	Brewer	mmol-C/m^2/day	50% :: 5%	1/day, 1/seas	20 km :: Ocean	NA:: TOO
2600	Ocean Productivity, Primary	Brewer	mmol-C/m^2/day	50% :: 5%	1/day, 1/scas	30 m :: Ocean/L	NA:: TOO
3460	Ocean Productivity, Primary	Harris	mg/m^3/day	30% :: 5%	1/day	1-20 km :: Ocean/R	
2598	Ocean Productivity, Primary, Near afc	Abbott	mg-C/m^3/day		1/(1-2 day)	1.4 km :: Ocean (Southern)	N/A :: Near efe
2597	Ocean Productivity, Primary, Total Column	Abbott	mg-C/m^2/day		1/(1-2 day)	14 km :: Ocean [Southern]	OCT - A/V
1573	Ocean Productivity, Total Column	Hansen	C [K]	0.3 C ::	1/wk	S00 km : G	Straft
3204	Ocean Water Attenuation Coef	Abbott	Æ	20% :: 5%	1/(1-2 day)	14 km :: Ocean [Southern]	OCT - A/N
3201	Ocean Water Attenuation Coef, Diffuse	Brower	μ/	25%:: TBD	1/dav. 1/scas	30 m :: Ocean	N/A C.f.
3202	Ocean Water Attennation Coef, Diffuse	Brewer	m/	25%:: TBD	1/day, 1/keas	20 km :: Ocean	N/A 6%
T	Ocean Water Attenuation Coef@490rm	Harris	Æ	25%:: 10%	1/day	1.20 km :: Ocean	310 3/41
3080	Ocean Water Salinity	Bates	00/0		1/G dav)	100 tm :: 60 del AT	- CE
3079	Ocean Water Salinity	Hansen		0.02%	1 Aut	100 min	2
3081	Occan Water Salinity	Ľ.	*	10% :: 10%	1 Auk	Son by Ocean	81::
3083	Occan Water Salinity, Sub ice	Rothnock	90,0		4::1:	JON MILL: CACHINI LINE	
			3		(1.0 Pm)	CON 1-1-1	100

Appendix K: IDS Input Requirements Listed by Product Name

Prod	Froduct Name	Investigator	Chair	Accuracy	in fodius I	HOLLONA	
*				Abs :: Rel	Resolution	Resol :: Coverage	Resol :: Coverage
3116	Ocean Water Temperature, Internal	Hansen	K		1/wk	500 km :: Ocean	:: Sub_stc
3218	Ocean Water Temperature, Internal	[_au	Ж	0.5 K ::	1/day	10 km :: Ocean/R	10 m :: Sub_sfc
3117	Ocean Water Temperature, Internal	Rothrock	Ж	0.02 K :: 0.02 K	1/(3 day)	500 km :: Polar	:: [v]·
3430	Ocean Wave Direction	Harris	deg	10::10	1/day	10 deg :: Ocean/R	
3126	Ocean Wave Height	Bates	E	20% :: 20%	1/day	50-75 m :: Ocean	N/A :: Sfc
3431	Ocean Wave Height	Harris	E	10-20% :: 5-20%	1-10 days	7-25 km :: Ocean/R	
3128	Ocean Wave Height, Along-track	Bates	сш	>.5m,10% ::		7 km :: Ocean	N/A :: Sfc
3130	Ocean Wave Height, Significant	Abbott	E	10%:: 5%	1/(10-20 day)	10-20 km :: Ocean [Southern]	N/A :: Sfc
3131	Ocean Wave Height, Significant	Srokosz	E	>(.5m,5%) :: 0.1m	1/day	10 km :: Ocean/R	N/A :: Sfc
3432	Ocean Wave Length	Harris	5	10%:: 10%	1/day	1-10 km :: Occan/R	
3463	Ocean Wave Power Spectrum, 2-D	Bates				:: Ocean	N/A :: Sfc
3383	Optical Depth, Total	Dickinson				<0.5-1 deg :: G	
2326	Optical Depth, Total	Isacks		5-15% :: 1-10%	1/wk	10-50 km :: Land/R	Column :: Atmos
2325	Optical Depth, Total	Kerr, Sorooshian	eq.atm	10% :: 10%	1/(5-16 day)	10 km :: Land/R	:: Atmos
2561	Organic Carbon Conc, Dissolved	Brewer	mol-C/m^3	100% :: 10%	1/day, 1/scas	20 km :: Ocean	N/A:: TOO
2562	Organic Carbon Conc, Dissolved	Brewer	mol-C/m^3	100% :: 10%	1/day, 1/seas	30 m :: Ocean/L	N/A:: TOO
2579	Organic Matter Conc, Dissolved	Abbott	mmol/m^3	50% :: 20%	1/(1-2 day)	1-4 km :: Ocean [Southern]	N/A:: TOO
3457	Organic Matter Conc. Dissolved	Harris	mg/m^3	100% :: 30%	1/day	1-20 km :: Ocean/R	
1365	PAN Cone	Schoeberl	qua	20% :: 0.01	1/day	8 x 10 dg :: G	3 km :: Strat
2328	PAR	Moore	W/m^2/sr	20%:: 10%	1/day, 1/wk	30 m :: Land/L	
2329	PAR	Moore	W/m^2/sr	20% :: 10%	1/day, 1/wk	500 m :: Land/R	
263	PAR, Incident, (IPAR)	Schimel	SE, % ::	10%:: 1%	1/day	500 m :: 6 sites/L	N/A :: Sfc
2264	PAR, Incident, (IPAR)	Schimel	SE, % ::	10%::1%	1/wk	30 m :: 6 sites/L	N/A :: Sfc
2265	PAR, Incident, (IPAR)	Schimel	SE, % ::	10%::1%	[multiple]	[multiple] :: 6 sites/L	N/A :: Sfc
3498		Cihlar	8	10%::1%	1 day	250-1000 m :: Canada/R	N/A :: Sfc
1510	PBL Height	Barron	E	75 m ::	1/day	10 km :: R	100 m :: Mixed_lyr
1511	PBL Height	Barron	E	75 m ::	1/day	100 km :: G	100 m :: Mixed_lyr
1512	PBL Height	Bates	E	75 m ::		2-200 km :: G	75 m :: Trop
3329	PBL Height	Dickinson					
1513		Sellers					
3209	Phytoplankton Backscatter	Арроп	mw/cm^2/sr/um	50% :: 20%	1/day	I 4 km :: Ocean	A/A :: A/A
3077	Pigment Conc	Hansen		2%::	1/wk	S00 km :: Ocean	OQL:
3458	Pigment Conc	Harris	mg/m^3	30% :: 10%	1/day	1-20 km :: Ocean/R	
3459	Pigment Conc, Accessory	Harris	mg/m/3	20% :: 10%	2-10 days	0.25-1 km:: Ocean/R	
2695		Moore	relative	20% :: 20%	1/(16 day)	1 km :: Land/R	:: Stc
9697	Pigment Conc, Non-photosynthetic	Moore	relative	20% :: 20%	1/(16 day)	30 m :: Land/L	:: Stc
2584	Π	Abbott	mg/m^3	50% :: 20%	1/(1-2 day)	1.4 km :: Ocean [Southern]	N/A:: TOO
2587	T	Abbott	mg/m^3	35% :: 10%	1/(1-2 day)	1-4 km :: Ocean [Southern]	N/A:: T00
250	Τ	Rothrock	mg/m^3		1/(2 day)	10 km :: Polar	N/A:: T00
1858	T	Abbott	kg/m^2	10%:: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	Column :: Trop
1859	T	Barron	man	3%:: 1%	1/day	30 m :: L	Column :: Trop
1860	Т	Barron	mm	3%:: 1%	1/day	10 km :: R	Column :: Trop
1861	T	Barron	ш	3%::1%	1/day	100 km :: G	Column:: Trop
1862	1	Bates	נומון	5%:: 3%	2/day [d,n]	50 km :: G	N/A :: Trop
3355	Т	Dickinson				<0.5-1 deg :: G	
3439	1	Harris			1/day	10-25 km :: Ocean/R	

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Appendix K: IDS Input Requirements Listed by Product Name

1866 1867 1810 1810				Abs :: Rel	Resolution	Resol Covernoe	Been! Courses
1866 1867 1810 1863	Precipitable Water	Kerr, Sorooshian	cm	104. : 104.	2/dex	390000000000000000000000000000000000000	neson Corerage
1867 1863	Precipitable Water	T.	e frmA2	30:30	400	Out I I I	Column :: Aimos
1810		Murakami	e/cm/2	200	1/day	25 km :: Ocean	Column :: Trop
863	Precipitable Water	Richey Berins		04.77			
		Dichen Daties		&C :: &C	1/day	× ::	:: Trop
1868	Τ	Aldrey, Datum	ituriyino /		1/wk	1 km :: R	Cohann :: Trop
10.5	1	STOROGE	KB/MF/2	1kg/m^2 :: 0.1kg/m^2	2/day	10 km :: Ocean [South Atlan]	N/A :: Atmos
27.	1	Harron	mm/day	2::1	1/day	100 km :: G	N/A :: Trop
7	+	Berron	mm/day	2::1	1/day	10 km :: R	N/A :: Troo
228	┪	Brewer	mm/day	2:: TBD	1/day, 1/seas	:: Ocean/L	N/A :: Sfc
626	7	Brewer	man/day	2 :: TBD	1/day, 1/scas	.: Octan	N/A · Sfc
7488		Cihlar	EE.	0.1 mm : 0.1 mm	l dav	SOOm :: Canada/R	N/A :: Gre
1930	Precipitation Amount	Hanson	mm/wk	10%:	1 Awk	00 may 000	310 :: V/N1
¥ 1	Precipitation Amount	Harris	mm/day	2::1	2/day	20 SO km : Ocean	310
1931	Precipitation Amount	Hartmarm	mm/day	10::10	1/dev	10 km : Ocean	MIA Tan
1932	Precipitation Amount	Isacks	E		1441	WF1 107 9	401 : A/VI
1935		Lau	mm/dav	22	4m/-	SOOTH IN THE STANKING	N/A :: Sic
1936	Precipitation Amount	- T-	mm/dav	1 :: :	Out I	D:: E3000	N/A :: Irop
1938	\Box	Murakami	veb/mm	100	1/08)	SORTH IN	N/A :: Sfc
1939	Г	Sellers	7		444		
1940	\vdash	Wielicki	mm/dav	COR 358	4/40(4)	IUOKM ::	
1934		Kerr Somoshian	, ma	K 77 .: 87.00	n'n la'u	D:: MXII.C-CZ	N/A :: Trop
1973		I iu	mm/dev	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1/020	I km :: Land/K	N/A :: Sfc
1974	П	Moore	mmkude	201 2001	7,020	ZS Km :: Ocean	N/A :: Trop
1957	Т	Kerr Comochian	THE STATE OF THE S	10%: 10%	I/wr	I KM :: G	
3489	T	Cikles	"IIIIII	10% :: 10%	1/110	500 m :: Land/L	N/A :: Sfc
200	Т	Marie	HILLANK	10%	l wk	1 km :: Canada/R	N/A:: Sfc
100	Т	Moore	man/wK	10% :: 10%	1/wk	l km :: G	
3	Т	Schots				- 1	
ì i	1	Bates	в/ш^3			10 km :: G	7 Ivl :: Trop
500	T	3	ш	10% :: 10%	1/day	1 km :: Land/R	N/A :: Sfc
2	1	Bates	шш	ՀոսուՈւ :: 1 ուույնա	2/day [d,n]	50 km :: G	N/A :: Trop
2	7	Bates	dimensionless		1/day	26-52 km :: Land	N/A :: Sfc
1958	┱	Battes	mm/hr			10 km :: G	1 lvl :: Sfe
1933	\neg	Isacks	mun/hr		1/event, 1/mo	5-50 km :: Land/R	N/A :: Sfr
<u>8</u>	Precipitation Rate	[Jeu	mm/hr	25%:: 10%	TWI	100 m : TandA	N/A : QC
1937		Simard		20%::		Canada/R	N/A Tree
1972	Precipitation Rate, Rain	Abbott	mm/hr	5%:: 1%	(1-2Vdav	25 km Ocean (Southern)	N/A : Trees
1954	Precipitation Rate, Rain	Bates	e/m^3		1 - 1	10 Inc. Countries	1. 1. P
3359		Dickinson				2 : Halot	/ IVI :: Irop
1959	Precipitation Rate, Rain	Kerr, Sorooshian	mm/hr	20% :: 20%	1 May	0:100	. A.W
1975	Precipitation Rate, Rain	Srokosz	mm/hr	10% 1mm/hr	7/dex	D.:IIIOX	M/A :: 1700
3360	Precipitation Rate, Snow	Dickinson			7	O C 1 40: O	MA:: IND
1965		Le.	шш	10% :: 10%	2	D :: Man 1-C-02	- 00 · · · · · · · · · · · · · · · · · ·
1366	_	Bates	type (snow.water)			101 III CO.	N/A :: 31C
1516		Grose	qu	0.05 24	7,640	D:: E30	N/A :: Src
1518	Pressure	Kerr. Sorooshian	£	## : CO	Z/OMY	D:: SD + XCI	3 km :: Mid-atmos
1517	Pressure, Sfc	Isacks	f E	2000	n:/i	Z Xm :: Land	J Km :: Irop
1533	Pressure. Sfc	[F	1			:: Land/R	N/A :: Sfc

Appendix K: IDS Input Requirements Listed by Product Name

Prod	Product Name	Investigator	Units	Accuracy Abs :: Rel	s emporas Resolution	Horzoniai Resol :: Coverage	Resol :: Coverage
				45 - : : 4 - :	1 Aday	500 km :: Polar	N/A :: Sfc
1519	Pressure, Sfc	Rothrock	qu	1 mo :: 1 mo	i (day)	0	N/A :: Cf.
1520	Pressure, Sfc	Tapley	mb	1-5 mb ::	4/day	D: WINDS	310 A/VI
Т	Proton Boarev Spectra	Schoeberl	proton/cm^2/s/MeV	20%:: 15%	1/day	SdgLAT :: G	N/A :: 5/-
Т	Pediation Budest	Dickinson				<0.5-1 deg :: G	
Τ	Radiation Budget	Hansen			1/wk	500 km :: G	
Т	Definite Intentity 10	Schoeber	photons/cm^2/s/cm	1%(~1K) :: 0.5%	1/day	100 km :: G	1.5 km :: Strat
Т	Dediction Learning IN	Schoeberl	photons/cm^2/s/tun	5%:: 2%	1/day	9::	:: Strat
Т	Date of the control o	Schoeher	photons/cm^2/s/mm	5% :: 2%	1/day	:: C	:: Strat
7	Kadiadon incersity, visitoic	Cible	W/m/2		1 wk	1 km^2 ::	N/A :: Sfc
7	Kadiative Flux	Wielicki	W/m^2/km	Rch/25%cld :: 5%clr/10%	(n,b) yab/8	1.25 dg :: G	:: Атпов
Т	Radiative Flux Divergence, LW	Wichell	WIND AND	4ch754cld :: 54clr/10%	3/day [d]	1.25 dg :: G	:: Atmos
2152	Radiative Flux Divergence, SW	Wielicki	w/mr.t/km	W. II / Z. / W. II S. W. II / W. I	2/dav	:: Land/R	
\neg	Radiative Flux, Broadband	Richey, Batista	7.m/w	Which : 1 Which	1	8 km :: Land/R	N/A:: TOA
2142	Radiative Flux, Broadband, Down	Kerr, Sorooshian	W/III*2	2(7	1/day	100 km :: G	N/A :: Sfc
2185	Radiative Flux, LW	Barron	7.JU/M	5::01	/dev	30 ш :: Г	N/A :: Sfc
2186	Radiative Flux, LW	Barron	W/m^2	5::01	/dav	10 km :: R	N/A :: Sfc
2187	Radiative Flux, LW	Barron	W/mr.2	\$:: OI	1/day	100 km :: G	AOT:: A/N
2189	Radiative Flux, LW	Barron	W/III.7	2::01	1/day 1/keas	:: Ocean/L	
2255	Radiative Flux, LW	Brewer	W/m/2		1/day 1/keas	:: Осеял	
2256	Radiative Flux, LW	Brewer	W/m/2		1/400	<30 km :: Ocean	N/A :: Sfc
2188	Radiative Flux, LW	Hartmann	W/m/2	W.7 .: W.C	1/400	<30 km :: Ocean	N/A:: TOA
2190	Radiative Flux, LW	Hartmann	W/m^2	4.7 :: 4.C	1/402	\$00 km :: G	N/A :: Sfc
2154	Radiative Flux, LW	Lau	W/m^2	IUW/Mr. 2:: IUW	2/day	10 km :: Ocean [South Atlan]	
2385	Radiative Flux, LW	Srokosz	W/mv2	10W/mr.2:: 1W/mr.2	4	CO 5.1 dee :: G	N/A :: Sfc ?
3375	Radiative Flux, LW, Down	Dickinson		104 104	[dinmal]	500 m :: Land/R	:: Sfc
2163	Radiative Flux, LW, Down	Kerr, Sorooshian	7.uu/m.	200 :: 200	4/dev	100 km :: Land	0.5 km::
2164	Radiative Flux, LW, Down	Sellers	W/mv2	CAMAN :: CAMAN T	(Aday (d.n.)	1.25 dg :: G	N/A :: Sfc
2165	Radiative Flux, LW, Down	Wielicki	W/mv2	7 HILL 7 .: 7 HILL 7	2/dex (d n)	S0 km :: Land	:: Y/N
2173	Radiative Flux, LW, Net	Bates	W/m/2		2/dex (d.n)	So km :: Ocean	:: Y /X
2174	Radiative Flux, LW, Net	Bates	W/m/2		Comp Com	0 % 1 dee :: G	NA:: Sfc?
3376	Radiative Flux, LW, Net	Dickinson		CALLY C. CALLY	Kiden [dn]	1.25 de :: G	N/A :: Sfc
2175	Radiative Flux, LW, Net	Wielicki	W/mv2	7. M/M. Z Z. M/M. Z.	Contract Contract		N/A :: Atmos
2183	Radiative Flux, LW, Net Up	Murakami	W/mv2	:: 04.7		<0.5-1 deg :: G	N/A:: TOA
3377	Radiative Flux, LW, TOA	Dickinson			Chan Id n	So km :: G	N/A:: TOA
1612		Batcs	W/mr.2		7	<0.5-1 deg :: G	N/A :: Sfc 7
3378	- Т	Dickinson	24.40	154 154	[diuma]]	500 m :: Land/R	AOT ::
2192	Radiative Flux, LW, Up	Kerr, Soroosnian	W/1117.2	101			N/A:: TOA
2395	Radiative Flux, LW, Up	Murakami	WANT CANCELL	20% :: 20%	4/day	100 km :: Land	0.5 km ::
2193	Radiative Flux, LW, Up	30108	W.fmA)	5 W/m/2 :: 2 W/m/2	(u'p) (du)	1.25 dg :: G	N/A:: TOA
2194		Wellon	W/m/2	7 W/m/2 :: 2 W/m/2	[n,b] (ab/6	1.25 dg :: G	N/A :: Sfc
2195	Т	W POLICE.		10% ::		:: Canada/R	
2137	T	Distinct	White	10::5	1/day	30 m :: L	N/A :: Sfc
2236	T	Data	When	10::5	1/day	100 km :: G	N/A :: Sfc
7237	Т	DETAIL	www.	10::5	1/day	10 km :: R	N/A :: Sfc
2238	\neg	Berron	W/m/3	10::5	1/day	100 km :: G	N/A:: TOA
2239	T	Darron	CVm/W		1/day, 1/scas	:: Осеян	
1492	Radiative Flux, SW	Brewa	7 111/44		144.1	Ocean/I.	

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Appendix K: IDS Input Requirements Listed by Product Name

*				Abs :: Rel	Resolution	Resol :: Coverage	Resol :: Coverage
213	Radiative Flux, SW	Hartmann	W/m^2	0.5% :: 0.5%	1/dav	20 km :: G	N/A :: TO A
2214	Radiative Flux, SW	Hartmann	W/m^2	0.5%:0.5%	1/dev	2 : 1	100 AV
2215	Radiative Flux, SW	ne]	W/m^2	10W/m/2 104E	1/400	0::::1003	N/A :: SIC
2400	Radiative Flux, SW	Srokoez	W/m^2	10W/m/2 :: 1W/m/2	7/dex	D:: manone	N/A :: SIC
2216	Radiative Flux, SW, Down	Kerr. Somoshian	W/m^2	104 104	[4:]	10 Atti : Cocati South Austri	
7122	Radiative Flux, SW, Down	Sellers	W/m^2	20% - 20%	- The	Applied in the Control	:: Sic
2218	Radiative Flux, SW, Down	Wielicki	W/m^2	15 W/m/2 :: 2 W/m/2	3/dex [d]	1 26 de	
3379	Radiative Flux, SW, Net	Dickinson		7	ol dan/c	D:: 30 C7:1	N/A :: SIC
2226	Radiative Flux, SW, Net	Welicki	What	15 W. C CA-1W 2.1		CO.5-1 deg :: G	N/A :: Sfc
2234	Radiative Flux, SW, Net Down	Mirehami	W/m/s	7.JW/M 7 :: 7.JW/M C1	3/day [d]	1.25 dg :: G	N/A :: Sfc
3380	Redistive Flux CW TOA	Title	7.4III/M	:: %7			N/A :: Atmos
2240	Dedicine Dire CW 11-	Dickinson				<0.5-1 deg :: G	N/A :: Sfc
	Daising Time, 5W, Up	Kerr, Sorooshian	W/mr^2	15% :: 15%	[diumal]	500 m :: Land/R	N/A :: Sfc
	Radiative Flux, SW, Up	Wielicki	W/m^2	10 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A:: TOA
747	Kadiative Flux, SW, Up	Wielicki	W/m^2	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A :: Sfc
4	Radiative Flux, Sea_sfc	Harris	W/m^2	5% :: 2%	2/day	20-50 km :: Ocean/R	
2888	River Channel Geometry	Barron	E	10% :: 10%	1/sans	l m :: LandA.	N/A Sfr
3049	River Charnel Geometry, Major-stream	Leu	m^2	10:: 10	1/mission	9/Pur] :: #10F	N/A :: 65
2982	River Charmel Patterns	Isacks				15.30 m : I and/I	N/A :: GE
2889	River Discharge	Moore	m^3/\$	5%:: 5%	1 Avk 1 Amo	few eites I and	JIC :: U/V
3063	River Extent	Barron	ш^2	10% :: 10%	1/dav	Abre I molf	Sic :: NV
3064	River Extent	Barron	m^2	10%:: 10%	1/day	10 km :: 1 and 00	N/A 66
2914	River Floodplain Extent	ne.7	ш^2	10% 5%	1 And	1000	N/A :: SIC
2915	River Floodplain Extent	Moore	ha/km^2	204 204.	1 Aut	1 25 1-11 1-1	N/A :: SIC
2913	River Floodplain Extent	Richev, Batista	m^2	104 104.	1600	DUPY HIN CZ-1	40
2984	River Stage (Flooding)	Moore	E		1,400 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	I KIN :: LANG/K	N/A :: SIC
2983	River Stage (Flooding)	Richev Ratista		25 :: 5	1/wK, 1/mo	point :: Land	:: Sfc
3205	River Water Attenuation Coef	Richey Batieta		100 : 100 i	Lycus	IOO m :: Land/K	N/A :: Sfc
2809	River Water Chemistry	Pichey Betiete	//// a.tmA1	1078 :: 1078	XX.	I km :: Land/R	N/A:: TOO
2655	River Water Chlomobull Conc	Dichest Deties	E/mir 3	10% 5% : 3% 10%	I/wk	l km :: Land/R	N/A :: Sfc
2080	Dissoft	Alchey, Dausta	E Compa	20% :: 10%	1/wk	l km :: Land/R	N/A:: TOO
7921	SOJ Come	na i	m^3/8	5% :: 5%	1/day	:: Land/L,R	N/A :: Sfc
200	See Land	Schoeberi	900	20%::	1/wk	8 x 10 dg :: G	3 km :: Strat
2136	Survey Longitude	Isacks	E	0.5 :: 0.5	1/scas	50 m :: Land/L	N/A :: Sfc
2 5	Sea lice Cone	Barron		5% :: 5%	1/day	100 km :: Ocean/Cryo	N/A :: Sfc
1516	Sea ice Conc	Barron		5% :: 5%	1/day	10 km :: Ocean/Cryo	N/A :: Sfc
3167	Sea Ice Conc	Barron		5%:: 5%	1/day	30 m :: Ocean/Cryo	N/A :: Sfc
3168	See Ice Conc	Ваттоп		5%:: 5%	1/day	10 km :: Ocean/Crvo	N/A :: Sfc
3182	Sea Ice Conc	Bates	fractional cov		1/(3 day)	100 km :: > 60 dg LAT	Sfc
3149	Sea Ice Conc	Brewer	8	10%::1%	1/day, 1/seas	10 km :: Ocean/Crvo	N/A :: Sfc
3141	Sea Ice Conc	Simard		10Km/10% ::	1/7 day)	10 km :: Canada/R	N/A :: Sfc
3142	Sea Ice Conc	Srokosz	*	10% :: 1%	1/day	10 km :: Ocean/Con	N/A :: Sfc
3165	Sen_Ice Conc, First-year	Rothrock	fraction	0.2 :: 0.2	1/G day)	25 km : OversiCons	N/A Cf.
3178	Sen_Ice Conc, GCM	Rothrock	fraction	0.03 :: 0 03	(veb F)/I	25 1-11 10 000000	31C 5/M
3173	Sea Ice Conc, Multi-year	Barron	mA2	5000	(Kan C).	COMMAND :: COMMAND	N/A :: SIC
3174	Sea Ice Conc, Multi-year	Веттон	mA2		1/489	100 km :: Ucent/Cryo	N/A :: Sfc
3175	See Jos Cono, Multi-year	Rothrock	fraction	20::03	1/day	IO Km :: Ocean/Cryo	N/A :: Sfc
:	And the Contraction			W V. 6	(Am) cVI		25 :: 4 /2
				- 44.			

Appendix K: IDS Input Requirements Listed by Product Name

				Abs :: Rel	Resolution	Resol :: Coverage	Resol :: Coverage
				34.:	1 Auk	500 km :: Ocean/Crvo	:: Sfc
Sea_Ice Cover		Hansen		:: R.C	Thurs.		MIA C.
Sea Ice Cover	Cover	Rothrock	fraction	0.03 :: 0.03	1/(3 day)	25 km :: Ocean/Cryo	N/A :: SIC
Sea Ice Cover	Cover	Simard	E	50 cm ::		:: Canada/R	N/A :: SIC
Par Ice	Court	Wielicki	fraction	10%::5%	1/day	50 km :: Ocean/Cryo	N/A :: Sfc
See Ice Edge	The	Abbott	presence/absence		1/day	25 km :: Ocean/Cryo	N/A :: Sfc
See Top Edge	Chas	Rothrock	fraction	0.05 :: 0.05	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
200	1000	Simend		25km ::	1/(7 day)	25 km :: Canada/R	N/A :: Sfc
200	a finite	Cimend		10km/10% ::	1/7 day)	10 km :: Canada/R	N/A :: Sfc
Sea Ice Edge	o Eroße	Office of the second	de las los	0140::00140	1/day	N/A :: Ocean/Cryo	N/A :: Sfc
Sca Ice Edge	e Edge	STOKOSZ.	dimensionless		1/day	10 km :: Polar	N/A :: Sfc
S S	Sea Ice Emissivity	Balca	United Storings	45 · 45	1/day	100 km :: Ocean/Cryo	N/A :: Sfc
Sea	Sen Ice Extent	Barron		20::50	1/4=1	10 km :: Ocean/Coo	N/A :: Sfc
Sea_Ic	Sea_Ice Extent	Barron		5% :: 5%	1/day	of house or any city	N/A :: Cfc
Sea_Ic	Sea Ice Extent	Simard		25km ::	I/(/ day)	Alamana :: margar	30 : ON
Sea To	Sea Ice Leads	Barron		5% :: 5%	1/day	100 km :: Ocean/Cryo	N/A :: SIC
3	Ces Ice Motion	Rothrock	km/day	0.5 km :: 0.5 km	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
3	See Let Marine Designal	Nimeral		500 m ::	1/(7 day)	500 m :: Canada/R	N/A :: Sfc
2	a Mount, heginali	Bailer	THE THE	100 mm ::	1/(3 mo)	:: Polar	N/A :: Sfc
E .	Sea Ice Roughires	Date	×		1/day	10 km :: Polar	N/A :: Sfc
200	Sea ice i emperature	Date		2K::2K	1/G day)	25 km :: Polar	N/A :: Sfc
Ser	Sea Ice Temperature	Kourock	4 3	75.0		:: Canada/R	N/A :: Sfc
Scark	Sea Ice Temperature	Simard	4	: 455		<0.5-1 deg :: Ocean/Crvo	
	Sea Ice Thickness	Dickinson			1/10.20 day)	10-20 km :: Ocean [Southern]	N/A :: Sfc
3105 Sea_L	Sea_Level Height	Abbott	5	3 cm :: 3 cm	1 (den 1 hour	7 km :: Ocean	N/A .: Sfc
3106 Sca_L	Sea Level Height	Brewer	E	K1:: KC	Alterna Comme	7 km :: Ocean	N/A :: Sfc
Sal	Sea Level Height, Along-track	Bates	ES		1.10 days	7.25 km Ocean/R	
Seal	Sea_Level Height, Along-track	Harris	Б	#1:: #7	1-10 cays	0.25 1 km: Ocean/0	
Sea	Sca_sfc Feature position	Harris	deg long,lat	# 00 :: # 07 I	I WK	William 1-77.0	
Sca	Sea sfc Feature velocity	Harris	km/day	20% :: 10%	l wk	U.D-1 KM:: Occan/R	
Sea s	Sea sfc Reflectance Factor, MODIS-T	Cihlar		0.05 :: 0.001	1/(3 mo)	0.5 km :: Canada/K	100
2504 Sea si	Sea sic Temperature (SST)	Abbott	×	0.5 K :: 0.05 K	(1-2)/day	1.4 km :: Ocean Southern	N/A :: SIC
П	Sea sfc Temperature (SST)	Abbott	×	1 K :: 0.1 K	(1-2)/day	50 km :: Ocean Southern	N/A :: SIC
Т	Sea see Terrographye (SST)	Barron	Ж	0.5 K ::	1/day	100 km :: Ocean	N/A :: Sfc
Т	See of Termerature (SST)	Ватоп	×	0.5 K ::	1/day	10 km :: Ocean/R	N/A :: Sfc
Т	Con after Terraneurium (CCT)	Rates	×	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
7	f. Tomate (ST)	Pairs	<u>×</u>	0.5K :: 0.4K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc
\neg	Sen sic temperature (331)	Brewer	<u></u>	0.5 K :: 0.5 K	1/day, 1/seas	30 m :: Ocean/L	N/A :: Sfc
	Sea sic lemperature (351)	Design	<u> </u>	0.5 K :: 0.5 K	1/day, 1/seas	20 km :: Ocean	N/A :: Sfc
Т	Sea at clemperature (331)	Dicking	4			<0.5-1 deg :: Ocean	
Т	Sea sic lemperature (331)	Dickingon				<0.5-1 deg :: Ocean	
Т	See are 1 compensuate (331)	Hamen	<u> </u>	02C::	1/wk	500 km :: Ocean	:: Stc
Т	Sea sic temperature (351)	Userie		0.5-1 K :: 0.2-0.3 K	1/day	0.25-1 km :: Ocean/R	
Т	Sca sic temperature (331)	Usarie	×	0.5-1 K :: 0.2-0.3 K	1/day	20 km :: Ocean/R	
Т	Sca are lemperature (331)	Underson	×	0.5 K :: 0.5 K	1/day	10 km :: Ocean	N/A :: Sfc
	See sic 1emperature (331)	1	<u> </u>	0.5 K ::	1/wk	100 km :: Ocean	N/A :: Sfc
\neg	Sea sic lemperature (33.1)	1	. >	0.2 K :: 0.2 K	1/wk	200 km :: Ocean	N/A :: Sfc
2515 Sea.	Sea_sfc Temperature (SST)	3.	4 3		1/day	50 km :: R	N/A :: Sfc
2516 See.	Sea sfc Temperature (SST)	ne :	× :	. 400	J. Vark	10 km :: G	N/A :: Sfc
2517 Sea 1	Sea sfc Temperature (SST)	Lis	2		W11.	2:	N/A :: Sfc
Г	Tool T. T. T.	Murakami	¥	0.2 K ::		יים פיים	310 0/47

Appendix K: IDS Input Requirements Listed by Product Name

		INVESTIGATOR	Units	Accuracy	Temporal	Horizontal	Vertical
.				Abs :: Rel	Resolution	Resol :: Coverage	Retol Covernos
610	Sca_fic lemperature (SSI)	Rothrock	¥	1K::1K	1//2 day)	30,000	Surator Hanne
220	Sea_afc Temperature (SST)	Srokosz	×	AT O TREATMENT OF	(fam. a) /-	D:: III OC	N/A :: Sic
2221	Sea afc Temperature (SST)	Wielicki	×	W.O.: / W. C.	/con	100-1 km :: Ocean (South Atlan	N/A :: Sfc
3429	Sea af CTopographic Height	Harris	. 6	A CO :: A 1	I/W.	1.25 dg :: Ocean	N/A :: Sfc
2767	Snow Contaminant Conc	Dezier	me hav3	4KT :: 4K7	1-10 days	7-25 km :: Ocean/R	
3003	Snow Cover	Berron	mA7	2075 :: 2076	l/wk, l/mo	50 m :: Snow/L	
3004	Snow Cover	Rarron	7	80:80	1/day	100 km :: Land	N/A :: Sfc
3005	Snow Cover	Berron	111.7 - 43	3% :: 3%	1/day	30 m :: Land/L	N/A :: Sfc
3006	Snow Cover	Dist	ur.z	5%:: 5%	1/day	10 km :: Land/R	N/A :: Sfc
3007	Snow Cover	Date	dimensionless		2/day [d,n]	50 km :: L.and	N/A :: Sfc
3008	Const.	Date	Krm^2	<=5% :: <=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc
900	Special Court	Dozier	km/2	10% :: 10%	1/wk, 1/mo	SO x SO m :: Land/L	N/A :: Sfc
5100	SINW COVE	Hansen		0.02 ::	1/wk	500 km :: Land	30
2 2	SINW COVE	Isacks	km^2	5%:: 2%	1/mo	1 km :: I and/R	N/A Cf.
100	Show Cover	Isacks	km^2	5% :: 2%	1/scas	15.30 m : I and/I	N/A of
7100	Show Cover	[au	m^2	50:: 10	1/wk	100 mm. I and I	N/A :: 65
510	Snow Cover		m^2	50:: 10	1/wk	Jones I mal I	N/A :: SIC
\$106	Snow Cover	Murakami	km^2	10% ::			N/A :: SIC
3015	Snow Cover	Sellers			1/1.4 day)	1 001	N/A :: Sic
3026	Snow Cover	Simard	5		1/4 den)	:: 50	:: Stc
3016	Snow Cover	Wielicki	fraction	104 44.	1/(Cay)	10 km :: Canada/K	N/A :: Sfc
3028	Snow Cover, Wet	Dozier	km^2	104 104.	(m)	SO km :: Land	N/A:: Sfc
3414	Snow Depth	Dickinson			I/WK, I/MO	SOm:: Snow/L	
3031	Snow Depth	Isacks	CE	204 204.	1,622	Med res :: Land	
3032	Snow Depth	3	5	A C	1/3023	30 m :: Land/L	N/A :: Sfc
3033	Snow Depth	Lau	E3		I/wr	S km :: Land/R	N/A :: Sfc
3034	Snow Depth	Simand		Scill :: 3 Cm	I/wk	30 m :: Land/R	N/A :: Sfc
3415	Snow Extent	Dickinson		3 cm/10% ::	1/(/ day)	10 km :: Canada/R	N/A :: Sfc
3416	Snow Extent	Dickinson				Low res :: Land	
3037	Snow Grain Size	Dovin		2000		Med_res :: Land	
3039	Snow Lig-water Content	Posie	Mail Will	200% :: 200%	l/wk, l/mo	50 m :: Snow/L	
3027	Snow Lin-water Content	Moore	V/N	100% :: 100%	1/wk, 1/mo	50 m :: Snow/L	
3040	Snow Mass	Mintel			1/wk	1 km :: Land	:: Sfc
3043	Snow State	Simend	Z'cur'z	:: % 01		:: Land	N/A :: Sfc
2500	Snow Temperature, Sfc	During				:: Canada/R	N/A :: Sfc
2998	Snow Water Equivalent	Remon		I K :: 0.3 K	1/wk	500 m :: Snow/L	
2999	Snow Water Equivalent	Berron		10% :: 10%	1/day	10 km :: Land/R	N/A :: Sfc
П	Snow Water Equivalent		uau	10% :: 10%	1/day	30 m :: Land/L	N/A :: Sfc
Τ	Snow Water Equivalent	Dogical		10% :: 10%	l wk	1 km :: Cenada/R	N/A :: Sfc
T	Snow Water Equivalent	T an		20% :: 20%	1/w/k, 1/mo	Som :: Land/L	N/A :: Sfc
1	Snow Water Foundament			10 mm :: 10 mm	1/wk	30 m :: Land/L	N/A :: Sfc
Т	Snow Water Equivalent	Mann		10 mm :: 10 mm	1/wk	5 km :: Land/R	N/A :: Sfc
Г	Spow Water Emissient	S. C. C.			1/wk	1 km :: Land	:: Sfc
Т	Soil Bulk Density	Samard		10 mm/10% ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
Τ	Soil Chaminer	Nerr, Sorooshian	g/cm^3	5%:: 5%	1/31	l km :: Land	N/A :: Sfc
Т	Soil Gree	Kichey, Batista	kg/ha	20%:: 20%	1/5028	1 km :: Land/R	N/A :: Sfc
Т	Soil Companies	Kerr, Sorooshian	class		1/34	30 m :: Land/R	:: Sfc
Т	Soil Composition	Barron		10% :: 5%	1/mission	100 km :: Land	N/A :: Sfc
1		Burron		10% :: 5%	l/mission	30 m :: Land/L	N/A : Sfr

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Appendix K: IDS Input Requirements Listed by Product Name

Prod	Product Name	Investigator	Units	Accuracy	l emporal	Horrzonlai	
*				Abs :: Rel	Resolution	Resol :: Coverage	Resol :: Coverage
2796	Soil Composition	Barron		10% :: 5%	l/mission	10 km :: Land/R	N/A :: Sfc
2797	Soil Extent	Ватоп	N/A	57::57	1År	100 km :: Land	N/A :: Sfc
2798	Soil Extent	Barron	N/A	57::57	1/5π	10 km :: Land/R	N/A :: Sfc
2799	Soil Extent	Barron	N/A	57::57	1/31	30 m :: Land/L	N/A :: Sfc
25	Soil Extent	Dickinson				Low res :: Land	
2800	Soil Extent	Moore	2	15% :: 15%	ιζι	1 km :: Land	:: Stc
2917	Soil Hydraulic Conditions, Unsaturated	Kerr, Sorooshian	77	0.05 ::		30 m :: Land/R	:: Stc
7492	Soil Hydraulic Properties	Cihler		5-10%:: 5%	ouce	1 km :: Canada/R	N/A :: Sfc
2016	Soil Hydraulic Properties	Simard		10% ::		:: Canada/R	N/A :: Sfc
2000	Soil Mineral Done	Kerr Somoshian	mineral type		1/31	30 m :: Land/R	ojs ::
304	Coll Moleture	Rarron	cm^3/cm^3	0.05 :: 0.02	1/day	10 km :: Land/R	N/A :: Sfc
2	Soil Moisture	Rarron	cm^3/cm^3	0.05 :: 0.02	1/day	100 km :: Land	N/A :: Sfc
200	Coll Moisson	Berron	cm^3/cm^3	0.05 :: 0.02	1/day	30 m :: Land/L	N/A :: Sfc
2000	Soil Mointe	Bates	% vol	10-25% :: 5-10%	1/(3 day), 1/wk	60-100 m :: Land	N/A :: Sfc
206	Soil Moissure	Ratos		:: 40%		43 km :: Land	N/A :: Sfc
2403	Soil Moissing	Ciple	% saturation	10% :: 20%		1 km :: Canada/R	N/A :: Sfc
3	Soil Moissie	Dickinson				Low_res :: Land	
1 2	Soil Moissan	Dickinson				Med_res :: Land	
1 2	Soil Moissie	Dickinson				High res :: Land	
	Soil Mosauce	Hancen		10% ::	1/wk	\$00 km :: Land	:: Sfc
70.5	Soil Moistare	lesche	% vol	10% :: 5%	1/mo, 1/yr	60-100 m :: Land/L	N/A :: Sfc
	Sell Maine	1.00	lov %	10% :: 5%	1/(3 day)	50 m :: Land/L	N/A:: Sfc
Į ž	Coil Moistre	ne]	% vo]	10% :: 5%	1/(3 day)	3 km :: Land/R	N/A :: Sfc
3000	Coil Moishus	Moore	% saturated	30% :: 30%	1/wk, 1/mo	1-25 km :: Land	:: Stc
30,5	Т	Murakami	₩.			:: Lænd	N/A :: Sfc
2958	T	Richey, Batista	5		1/mo	1 km :: Land/R	N/A :: Sfc
200	T	Sellers			1/(1-4 day)	100 km ::	:: Stc
2949	Т	Simand		10% ::		:: Canada/R	N/A :: Sfc
2785	П	Barron	8	5::5	1/scas	10 km :: Land/R	N/A :: Sfc
2786	T	Barron	8	5::5	1/scns	100 km :: Land	N/A :: Sfc
2787	П	Barron	*	5::5	1/scas	30 m :: Land/L	N/A :: Sfc
2788		Simard		10% ::		:: Canada/R	N/A :: Sfc
3370	1	Dickinson				<0.5-1 deg :: Land	
2042	7	Kerr, Sorooshian	dimensionless	10% :: 10%	1/scns	N/A :: Land	N/A :: Sfc
1 2	Т	Dickinson				High res :: Land	
33	Т	Dickinson				Low res :: Land	
707	Τ	Cihler	₽	5% :: 10%	ouce	250-1000 m :: Canada/R	N/A :: Sfc
Ş	Τ	ne.]	⊻	0.5 K :: 0.5 K	1/(3 day)	100 m :: Land/L	N/A :: Sfc
٤		121	×	1 K :: 1 K	1/(3 day)	1 km :: Land/R	N/A :: Sfc
3 2	Т	Simard	×	0.5 :: 1.0	2/day	100 m :: R/Canada	N/A :: Sfc
3	Т	Bates	5	1 km :: 0.5 km	2/day [d,n]	50 km :: G	N/A:: Mid-atmos
2882	Т	Kerr, Sorooshian			1/1	30 m :: Land/R	:: %
3	Т	Lau.	т^2	:001	1/wk	30 m :: Land/L	N/A :: Sfc
3 5	Т	l.au	m^2	100:	1/wk	1 km :: Land/R	N/A :: Sfc
3	Т	Barron		25% ::		10 km :: Land/R-Lakes	N/A :: Sfc
Š	Т	Barron		25% ::		10 km :: Land/R-Rivers	N/A :: Sfc
	Т	Dickingon		_	_	<0.5-1 deg :: G	

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*		9		A he is Det	i emporai	Horizontal	v ertical
25.25	Townsend			ADS :: REI	Kesoluhon	Kesol :: Coverage	Resol :: Coverage
	a mar action 1	Harts	×	1:: 0.5	2/day	10-50 km :: Ocean/R	1 km :: Atmos
2	I emperature Profile	Abbott	ပ	10% :: 5%	1/(1-2 day)	25 km :: Ocean (Southern)	1 km :: Tron
100	Temperature Profile	Ваттоп	×	1 K :: 0.5K	1/day	100 km :: G	l km :: Tron
1565	Temperature Profile	Berron	×	1 K :: 0.5K	1/day	10 km :: R	I km : Tron
1569	Temperature Profile	Bates	×	:: 1-2K		D : 99 91 8 8 1	3 km :: 20,60 km
1570	Temperature Profile	Bates	K	K;2K>50km:: 3;1K>50kg	2/day	4x4de::G	1-1 5 km · 10.80 km
121	Temperature Profile	Bates	K	1.0K :: 0.4 K	2/day [d.n]	50 km :: G	1 km : Atmos
1572	Temperature Profile	Grose	К	2 K :: 0.5 K	2/day	15 x 4 de :: G	2 km · Mid.amos
1574	Temperature Profile	Hansen	×	03C::	1/wk	Sookm: G	Trans
1575	Temperature Profile	Hartmann	×	1::1	1/dav	10 km : Ocean	1 km : 0.15 km
1577	Temperature Profile	Kerr, Sorooshian	×	1K::1K	2/dav	SO km : I and	1 km :: Atmos
1578	Temperature Profile	3	×	1 K::	1/day	. m. 1001	1 tem : Tem
1579	Temperature Profile	Lis		05::05	1/dev	3,5	DO 11 1107
1580	Temperature Profile	Murakami	₩		Zami'r	may : mr cz	dori :: irap
1581	Temperature Profile	Pyle	×	2K:: 0.5 K	2/day		1,0
1582	Temperature Profile	Schoeberi	×	28:18	1/dex	O:: 170-10	MAN :: MAY 7
1583	Temperature Profile	Seller	×	: 21	Zent's	O:: 807 x 7	Z KM :: Atmos
1584	Temperature Profile	Srokosz	<u></u>	18:018	2,600	:: manor	dori :: ma c.u
1585	Temperature Profile	Wielicki	*	77: 71	414	10 km :: Ocean [South Authr)	
1566	Temperature, Near sfc	Ramon	. A		urni ken/s	D:: \$0 C7.1	I Km :: Atmos
1568	Temperature, Near sfc	Rarron	¥ 2		r) (and	IOU KM :: Ocean	N/A :: Sfc
3334	Temperature, Near of	Dickingon		:: 62	I/OBY	10 km :: Ocean/R	N/A :: Sfc
1629	Temperature, Near sfc	Hansen	×		14.1	<0.5-1 deg :: G	
1630	Temperature, Near sfc	Manten	× ×		1/WK	SUD KIM :: Land	:: Sfc
1631	Temperature Near ofc	Year Companies	2 >	0.20:	I/wk	500 km :: Ocean	:: Ste
1627	Termerature Near of	Dothwolt	4 3	INEIR	7/day [d.n]	500 m :: Land/R	N/A :: Sfc
1632	Termerature Near of:	ROUBUCK.	4 (2K :: 2K	1/day	100 km :: Polar	N/A:: Near sfc
1633	Terretain Name of	Schimel	ווי	10%:: 1%	[multiple]	[multiple] :: 6 sites/L	N/A :: Sfc
3300	T DDI	Schimel	וני	10%:: 1%	1/day, 1/wk	30 m :: 6 sites/L	N/A :: Sfc
2 3	Jemperanie, PBL	Mouginis-Mark			1/day	30 m :: Land/R	N/A :: Plume col
500	1 opographic Elevation, Land sfc	Barron	E		1/mission	10 km :: Land/R	30 m :: Sfc
\$797	I opographic Elevation, Land sfc	Barron	E		1/mission	30 m :: Land/L	30 m :: Sfc
S S	lopographic Elevation, Land sfc	Cibler	E	5-10 m ::	ouce	30 m :: Canada/R	10 m :: Sfc
Т	Topographic Elevation, Land sfc	Dickinson				Low_res :: Land	
ΤТ	Topographic Elevation, Land sfe	Dozier	E	10 m :: 1 m		20 m :: Land/L	:: Sfc
2844	Topographic Elevation, Land sfc	Isacks	E	0.1::0.1	1/mission, 1/seas	1 m :: LandA.	N/A :: Sfe
П	Topographic Elevation, Land afc	Kerr, Sorooshian	E	50 m :: 50 m	1/mission	500 m :: Land	N/A : S.f.
T	Topographic Elevation, Land afc	Moore	E	lm:			Src
П	Topographic Elevation, Land afc	Wielicki	km	200 m :: 200 m	1/mission	10km::Land	N/A : Cf.
I	Topographic Elevation, Land sfc, (DEM)	Isacks	æ	30::10	1/mission	20 m :: I and/I	N/A : Sfc
	Topographic Elevation, Land afc, (DEM)	Isacks	E	:: 120	1/mission	720 m :: Land/R	N/A : Sfe
Т	Topographic Elevation, Land afc, (DEM)	Isacks	E	100 m :: 50 m	1/mission	Som:: Land/R	N/A : Sfc
	Topographic Elevation, Land afc, (DEM)	Kerr, Sorooshian	E	10::10	1/31	30 m :: Land/R	38:
2835	Topographic Elevation, Land sfc, (DEM)	Lau	E	10 m :: 1 m	1/mission	10 m :: I and/I B	N/A : 65
2837	Topographic Elevation, Land sfc, Control, (DEM)	Isacks	E	E :: E -	1/mission	Month : I mion	N/A CF.
T	Topographic Elevaton, Sea sfc	Liu	шэ	3cm::3cm		:: Ocean	N/A :: Sfc
\neg	Topographic Elevaton, Sea_sfc	Murakami	E	:: 10:0			N/A :: OF
3107	Topographic Elevaton, Sea sfc	Srokosz	E	0.02m :: 0.01m	1/(10 day)	10 km :: Ocean/B	20

Appendix K: IDS Input Requirements Listed by Product Name

Prod	Product Name	Investigator	Units	Accuracy	I emporai	Horzoniai	
*		-		Abs :: Rel	Resolution	Resol :: Coverage	Resol :: Coverage
2630	Tanamakia Slam (Animuth) I and off	Kerr Somoshian	jþ.	10::5	1/5	30 m :: Land/R	:: Stc
DC 07	Topograpine Stope (Azumani, Land Ste			3:5	- l	30 m :: Land/R	:: Sfc
2845	Topographic Slope (Azimuth), Land stc	Kerr, Sorooshian	24.54	: : :		0::	:: Atmos
1640	Torque, Friction	Bates	Kg m~2/s~2	:: RC			ACT A/N
1374	Trace Gas Conc	Murakami	mix ratio	20% ::		000	76 Tone
1642	Tropopause Height, Acrosol_located	Bates	E	75m::		D:: mx 002	2011 111.07
2627	Vegetation Biomass	Richey, Batista	t/ha	20% :: 20%	1/scas	I km :: Land/K	N/A :: SIC
2628	Vegetation Biomass	Sellers					
2412	Vestation Riomacs Dead	Barron	kg/ha	25%:: 15%	1/mission	30 m :: Г	N/A :: SIC
1 5	Vendering Diamese Deed	Rarron	ke/ha	25%:: 15%	1/mission	10 km :: R	N/A :: Sfc
	Vegetation Digitals, Dead	Berry	koms	25% :: 15%	1/mission	30 m :: L	N/A :: Sfc
Sels	Vegetation Biomass, Orden	DELICA	April 1	254154.	1 Amission	10 km :: R	N/A :: Sfc
2616	Vegetation Biomass, Green	Barron	K.B.im	2		<0.5-1 deg :: Land	
3397	Vegetation Biomass, Green	Dickinson		2000	241	30 m	N/A :: Sfc
2617	Vegetation Biornass, Green	Isacks	kg/ha	40% :: 13%	OIII/1	0 Fee 1 003	٠. درد
2618	Vegetation Biomass, Green	Moore	g/ha	40% :: 15%	1/(2-10 08y)	SOUTH STANKE	. Sr.
2619	Vegation Biomass, Green	Moore	g/ha	40% :: 15%	1/(7-16 day)	SOM :: LANGE	316 ::
2674	Vesetation Biomess. Sub. sfc	Kerr, Sorooshian	kg/m^2		1/(1-3 yr) [few yr]	1120 m :: Land/K	one ::
0830	Vesterion Riome Arms	Kerr. Sorooshian	km^2	5% :: 5%	1/scas	:: Land/R	N/A :: Stc
250	Venestion Calabora Con	Moore	8	20% :: 20%	1/(16 day)	30 m :: Land/L	
	Vegazioni Calmost Cario	Mone	o.Aa	20% :: 10%	1/day, 1/wk	30 m :: Land/L	
1043	т	More	o.Wa	20% :: 10%	1/day, 1/wk	1 km :: Land/R	:: Sfc
200	_	Cohimal	ro.h.	10%::1%	1/wk	30 m :: 6 sites/L	N/A:: Sfc
2651	Vegetation Chlorophyll Conc	Schine	A.D. 10	- PO-	frmitiple	fmultiple] :: 6 sites/L.	N/A :: Sfc
2652		Schimel	rg/m		1/(1-4 dav)	100 km ::	:: Sfc
2740		Scilors			77	60 m :: Land/R	:: Sfc
2634	ヿ	Kerr, Sorooshian	2	-:-	veb/1	500 m :: Land	N/A :: Sfc
1989	_	Balca	munyomy	:: 8			
8		Bates	myr	30.0	den lak	500 m :: Canada/R	N/A :: Sfc
3497	Vegetation Evapotrans	Cihlar	E	2076 :: 3-2076	i day, i wa	High and High	
3351	Vegetation Evapotrans	Dickinson				Mad Tes :: Land	
3352	Vegetation Evapotrans	Dickinson				Mar. : 631 Par.	33 :: 4/M
1788	Π	Lau	W/m^2 ?	10% :: 10%	1/day	I km :: Land/L	JIC :: N/W
3057	1	Moore	8	20% :: 20%	1/day, 1/wk	300 m :: K	310
3	Т	Moore	%	20% :: 20%	1/day, 1/wk	30m::L	:: NC
8	1	Murakami	тул	0.02 ::			
	Т	Cchimel	Ç E5	20% :: 5%	1/wk	30 m :: 6 sites/L	N/A :: Sfc
2 2	Т	Siment				:: Canada/R	N/A :: Sfc
18	\neg	Detec	mm/dav	0.5:: 1	1/day	500 m :: Land	N/A :: Sfc
	\neg	T and	W/m/2 2	10% :: 10%	1/day	1 km :: Land/L	N/A :: Sfc
<u>8</u>	7		W/mh/2 ?	10% :: 10%	l/day	10 km :: Land/R	N/A :: Sfc
202	T	T T	Whanha ?	10% :: 10%	1/day	10 km :: Land/R	N/A :: Sfc
\$	\neg	1 T	****	5257	1/4	30 m :: Land/L	N/A :: Sfc
2715	T	Datron	V/N	6563	141	10 km :: Land/R	N/A :: Sfc
2716	\neg	Burron	1/kg	49::49		100 km :: Land	N/A :: Sfc
2717	П	Serron	4/2			High res : Land	
3 400		Dickinson				Mod-low res :: Land	
3401	Vegetation Extent	Dickinson			14.1	SOO For I and	: St.
2718		Hanson		3.46	I/WK	J. Land C.	N/A : 65
2719	П	Isacks			1/scas	1 Kitt :: Lathork	315 :: 0/1
	Ī	Moore	2	15% :: 15%	1/71	L Marie Land	

Appendix K: IDS Input Requirements Listed by Product Name

*				Abs :: Rel	Resolution	Resal :: Coverage	Retal Covernos
2720	Vegetation Extent	Simand		10%::		:: Canada/R	N/A Sfe
3402	Vegetation Height	Dickinson				Med less and less	315 :: C/x1
2636	Vegetation Height	Kerr, Sorooshian	E	10% :: 10%	1 10000	30 m : 1 m d	- Ju -
2742	Vegetation Index	Hansen			- June 1	CO 1 1	316 :
2743	Vegetation Index	Isacks			1400	240 SOO I and OD	31C
2744	Vegetation Index	Isacks	8	1:05	1 Amo	30.60 m :: 1 and 0	1/A 51C
2745	Vegetation Index	Murakami			All /	Thirty III Co. C.	N/A ef
2673	Vegetation Index, Leaf Area, (LAI)	Barron		0.5::0.2	veh/ [100 tm 1 mg	N/A :: Cfc
2674	Vegetation Index, Leaf Area, (LAI)	Barron		0.5::0.2	veb/ l	10 km : 1 and 00	M/A :: Cf.
2675	Vegetation Index, Leaf Area, (LAI)	Barron		05::02	1/dev	30 m · I and	N/A Cfc
2676	Vegetation Index, Leaf Area, (LAI)	Bates	area fraction		1 fmo	J	M/A :: OG
3499	Vegetation Index, Leaf Area, (LAI)	Cibler	*	10% :: 1%	a l	1 bra : Carada A	N/A Cf.
3406	Vegetation Index, Leaf Area, (LAI)	Dickinson				I new year : I and	316 571
2677	Vegetation Index, Leaf Area, (LAI)	[Jau	*	10% :: 10%	1 /0000		MIA CF.
2678	Vegetation Index, Leaf Area, (LAI)	Schimel		104:16	14.4 14.2	20	310 :: 310
2679	Vegetation Index, Leaf Area, (LAI)	Schimel	2	104:18	(mentental	Join : 0 success	N/A :: SIC
2760	Venetation Leaf Water Content	Monre	e/om/3	200	(umminbic)	mulpiel :: 0 sites/L	N/A :: SIC
2684	Veretation Lienin Conc	Moore	6	2002 :: 2002	1/0ay, 1/wk	30 m :: Land/L	:: Stc
2830		in one	R	20% :: 20%	1/(16 day)	30 m :: Land/L	
3 8	Vegeauon Lagran Conc	Schimel	18	20%::1%	1/scas	30 m :: 6 sites/L	N/A :: Sfc
0007	Vegezation Lightin Conc	Schimel	.	20%:: 1%	[multiple]	[multiple] :: 6 sites/L	N/A :: Sfc
0062	Vegetation Moisture, Root-zone	Barron	cm^3/cm^3	0.1 :: 0.05	1/day	100 km :: Land	N/A :: Sub sfc
2951	Vegetation Moisture, Root-zone	Berron	cm^3/cm^3	0.1 :: 0.05	1/day	10 km :: Lend/R	N/A :: Sfc
2925	Vegetation Moisture, Root-zone	Barron	cm^3/cm^3	0.1 :: 0.05	1/day	30 m :: Land/L	N/A :: Sub sfc
3501	Vegetation Moisture, Root-zone	Cihler	E	10% :: 20%	l wk (in grow, seas)	1 km :: Canada/R	N/A Sub efc
3399	Vegetation Moisture, Root-zone	Dickinson				<0.5-1 deg :: Land	
2708	Vegetation Moisture, Root-zone	Richey, Batista	E	[20%],10% :: [10%],20%	1/seas	1 km :: Land/R	N/A :: Sfc
2953	Vegetation Moisture, Root-zone	Simard		10% ::		:: Canada/R	N/A .: Sfe
2688	Vegetation N Conc	Moore	*	20% :: 20%	1/(16 day)	1 km :: Land/R	
2689	Vegetation N Conc	Moore	%	20% :: 20%	1/(16 day)	30 m :: Land/L	
2690	Vegetation N Conc	Schimel	8	20% :: 1%	1/scas	30 m :: 6 sires/	NA Sfc
1692	Vegetation N Conc	Schimel	*	20% :: 1%	[multiple]	imultiple] :: 6 sites/L	N/A :: Sfc
2693	Vegetation Physiography	Richey, Batista	E	10% :: 10%	l/mo	1 km :: Land/R	N/A :: Sfc
2698	Vegetation Production, Net Primary, (NPP)	Schimel	kg/ha	20% :: 5%	1/yr	500 m :: 6 sites/L	N/A :: Sfc
3500	Vegetation Reflectance Factor	Cihler	dimensionless	0.05 :: 0.001	1 day	250-1000 m :: Canada/R	N/A : Sfe
3496	Vegetation Reflectance, Bi-directional, (BRDF)	Cihlar		0.05 :: 0.001	l wk (for l yr)	:: Canada/R	NA :: Sfe
3371	Vegetation Reflectance, Bi-directional, (BRDF)	Dickinson				<0.5-1 deg :: Land	
2046	Vegetation Reflectance, Bi-directional, (BRDF)	Kerr, Sorooshian	N/A	10% :: 10%	1/scns	N/A :: Land	N/A :: Sfc
3403	Vegetation Rooting Depth	Dickinson				<0.5-1 deg :: Land	
2707	Vegetation Rooting Depth	Kerr, Sorooshian	E	20% :: 20%	134	30 m :: Land/R	
3404	Vegetation Roughness	Dickinson	•			Med-low res :: Land	
2638	Vegetation Spatial Density	Kerr, Sorooshian	#/km^2	20% :: 10%		60 m :: Land/R	٠: ۵(ر
2709	Vegetation Stomatal Resistance	Kerr, Sorooshian			1/scas	30 m :: Land/R	
2639	Vegetation Structure	Barron			l/sens	30 m :: Land/L	N/A : Cfc
2640	Vegetation Structure	Barron			sway!	10 km :: 1 and /R	N/A · Sr
3502	Vegetation Structure	Cibler	geometric			1 km :: Canada/R	N/A Sfc
2726	Vessession Courtses						375
i		Richey, Batista	8		1 /200	1 km :: 1 40	-30 ·· 4/14

Appendix K: IDS Input Requirements Listed by Product Name

Luga	r roauci ivame	Investigator	Carts	Accuracy	in foliate	1011	
*				Abs :: Rel	Resolution	Kesol :: Coverage	Kesoi :: Coverage
2642	Vegetation Structure	Schimel	geometric	:: 5%	1/yr	500 m :: 6 sitos/L	N/A :: Sfc
2643	Vesetation Structure	Schimel	reometric	.: 5%	[multiple]	[multiple] :: 6 sites/L	N/A:: Sfc
3503	Veedstion Tennerature	Cihlar	×	0.5 K :: 1.0 K	l day	250-1000 m :: Canada/R	N/A :: Sfc
3394	Vesestion Temperature	Dickinson				<0.5-1 deg :: Land	
2456	Vession Temperature	Kerr. Sorooshian	×	0.5K :: 0.5K	2/day [d,n]	500 m :: Land/R	:: Stc
2515	Vestation Temperature	Moore	*				:: Stc
37.78	Version Type	Barron	N/N	57::57	1/yr	10 km :: Land/R	N/A :: Sfc
3730	Venetation Type	Rarron	N/N	57::57	¥.	30 m :: Land/L	N/A :: Sfc
3730	Venezion Des	Rarmon	N/N	57::57	1/3	100 km :: Land	N/A :: Sfc
06/2	Vegeauon 1ype	Cibler		15% :: 15%	ouce	100 m :: Canada/R	N/A :: Sfc
\$ 3	vegeauon Lype	Ciet.				<0.5-1 deg :: Land	
3405	Vegetation Type	Dickinson		: 65	1 Auk	\$00 km :: Land	:: Sfc
2731	Vegetation Type	Hanson			1 /0000	1 km : I and/R	N/A :: Sfc
2732	Vegetation Type	Isacks			1/3cms	30 m : 1 and /8	38:
2733	Vegetation Type	Kerr, Sorooshian	Class		1/3cms	20 m : Land	N/A Sfc
2734	Vegetation Type	7	species		1/8028	1 Les : Land	38 :: Ye
2736	Vegetation Type	Moore	2	15% :: 15%	1/1	20 1	N/A :: 65
2739	Vegetation Type Boundaries	Barron	E	30#::	(om c)/1	SO III :: LAIMAL	30 :: 0/0
2762	Vegetation Water Content	Moore	g/cm^3	20% :: 20%	I/day, I/wK	SUM: Land/L	300 ::
2758	Vegetation Water Content, Integrated	Kerr, Sorooshian	4	20% :: 20%	2/wk	SOO m :: Land/K	N/A :: SIC
3407	Vegetation Water Potential	Dickinson				Low res :: Land	
3269	Volcano Deformation	Mouginis-Mark	cm	1 cm(ver) ::	1/day	cm (?) :: (30 km^2/10)	N/A :: Stc
3274	Volcano Elevation Change	Mouginis-Mark	cm	1-5 (ver) ::	2/day [d,n]	30 m :: Land/L	N/A :: Sfc
3278	Volcano Elevation Change	Mouginis-Mark	E	10 m(ver) ::	1/event	30 m :: Lend/L	N/A :: Sfc
3276	Volcano Elevation, Reference	Mouginis-Mark	E	10 m(ver) ::	I/mission	30 m :: Land/L	N/A :: Sfc
3284	Volcano Morphology	Mouginis-Mark	E		4/34	30 m :: Land/L	N/A :: SIC
3287	Voiceno Roughness	Mouginis-Mark	5	3-24 cm ::	1/4	30 m :: Land/L	N/A :: Sic
3290	П	Mouginis-Mark	U	10 C ::	[near-real time ?]	TEN: C	N/A :: SIC
3295		Mouginis-Mark	CÀ	10::	1/4	30 m :: Land/L	N/A :: SIC
3408	Wetlands Extent	Dickinson				Low res :: Land	30
2764	Wetlands Extent	Hansen		5%::	1/wk	SOU Km :: Land	38:
1702	Wind Direction	Liu	dg	10 dg :: 10 dg	1/day	25 km :: Ocean	N/A :: SIC
1703	Wind Direction	Srokosz	de	10 dg :: 1 dg	I/day	25 km :: Ocean South Atlan	
1706	Wind Flux(Draw)	Kerr, Sorooshian	km/day		1/day	25 km :: Land	10 km :: Trop
2	Wind Some	Lau	m/s	1 m/s :: 2%	2/day	100 km :: G	l km :: Trop
2	Wind Speed	Lau	a/n	0.5 m/s :: 2%	2/day	100 km :: G	N/A :: Sfc
12	Wind Sound	Pyle	m/s	5 m/s :: 5 m/s	2/day	15 x 4 km :: G	2 km :: Strat
1	Т	Sellers	# / E	1 m/s ::	4/day	100 km ::	0.5 km :: Trop
330	1	Dickinson				<0.5-1 deg :: Land	
12.	Wind Speed Land off	Kerr, Sorooshian	ш/s	5 m/s :: 5 m/s	1 / 1	25 km :: Land/R	N/A :: Sfc
1	1	n e]	m/s	20% :: 10%	1/1	30 m :: Land/L	N/A :: PBL
2 5	Т	Abbott	u/s	10% :: 5%	1/(10-20 day)	25 km :: Ocean [Southern]	N/A :: Sfc
2	Т	Abbott	\$ €	10% :: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	N/A :: Sfc
2 3	Τ.	Bates	m		2/day [d,n]	50 km :: Occan	N/A :: Sfc
8	7	Bearing	¥	15% :: 5%	1/day, 1/seas	25 km :: Ocean	N/A :: Sfc
2	\top	Dicker.	***	\$-10% :: 2.10%	1-10 days	1-25 km :: Ocean/R	N/A :: Sfc
3435	\neg	TRITE	e nu	1::1	1/dav	25 km :: Ocean	N/A :: Sfc
-	Wind Count Con off	3	EAL S	• • • •			

Appendix K: IDS Input Requirements Listed by Product Name

	r roamer ivame	in resugnior	Units	Accuracy	Temporal	Horizontal	Vertical
				Abs :: Rel	Resolution	Resol :: Coverage	Resol :: Coverage
1717	Wind Speed, Sea_sfc	Tapley	m/s	1 m/s ::	4/day	S0 km :: Ocean	N/A : 0.5
1742	Wind Stress	Batcs					30 :: U/V
1743	Wind Stress	Leu.	N/m/2	: 100		uran:	:: Sic
1744	Wind Stress	Mirrahami	CA:N	: 200		:: Ocean	N/A :: Sfc
1745	Wind Stress	Tentar	Man 2	:: 10.0		:: Ocean	N/A :: Sfc
1754	Wind Velocity	rapiez	Z-AWN.	10% ::	4/day	50 km :: Ocean	N/A :: Sfc
1660	Wind Velocies	Abboat	m/s,dg	10%,<20dg :: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	1 km :: Trop
	will velocity	Serron	m/s/dg	1 m/s :: 0.5 m/s	1/day	30m:L	1 km :: 0-12 km
	wind velocity	Barron	m/s,dg	1 m/s :: 0.5 m/s	1/day	10 km :: R	1 km :: 0-12 km
2	Wind Velocity	Barron	m/s,dg	1 m/s :: 0.5 m/s	1/day	100 km :: L	1 km :: 0.12 km
1659	Wind Velocity	Bates	m/s,dg	:: <2 m/s	1/(12 min)	3 1 x 1 % de : G	1 than :: 30 60 1
0991	Wind Velocity	Bates	m/s.de	Se So	1/(12 min)	0:47.6	3 tun :: 30-00 km
1661	Wind Velocity	Bates	m/s de	1.5 mte ::	2,400.	0 :: M :: C Y 9: I	3 EM :: 20-38 EM
3335	Wind Velocity	Dickinson			4my	D.: WIGHT	I km :: Atmos
1662	Wind Velocity	Cross	mte de			D :: 800 1-C:0>	
Т	Wind Vehicity	300	mvs,og	Sm/s,10dg :: Sm/s,3dg	2/day	15 x 4 dg :: G	2 km :: Mid-atmos
22.52	Wind Walnut	TRITIE	m/s, deg	10%,20% :: 5%,10%	l day	25 km :: Ocran/R	N/A:: Sfc
Т	wind velocity	Harris	m/s, deg	7%,14% :: 5%,10%	2 days	100 km :: Ocean/R	NA :: Sfc
Т	wind velocity	Hartmann	m/s/dg	4 m/s :: 4 m/s	1/day	100 km :: G	:: 0-15 km
Т	Wind Velocity	Isacks	M/s/dg	:: 0.4	1/wk	100 km :: Land/R	T.
┑	Wind Velocity	Liu	m/s,dg	1::1	1/dav	25 km :: Ocean	T.
╗	Wind Velocity	Murakami	m/s,dg	10% :: TBD			
Т	Wind Velocity	Schoeberl	m/s,dg	2 m/s :: 3 m/s	1/day	200 x 200 km :: G	7 1-1 1. 0-1
Т	Wind Velocity	Srokoez	gp's/u	2m/s :: 1m/s	1/day	25 km : Ocean (South Atlan)	500 : : : Sum 2
	Wind Velocity	Wielicki	m/s,dg	5 m/s :: 2 m/s	4/day [d n]	1 25 de :: G	
3336	Wind Velocity, Divergent Horizontal	Dickinson			(idea) (idea)	0 :: 20 (3:1	I KIT :: AUTOR
1684	Wind Velocity, Friction	Srokosz	m/s de	59. 5 de :: 01mte 1de	14-11	O :: 200 1-C:00	
1685	Wind Velocity, Geostrophic	Bates	¥/E	201,000,000 C	A Principal	22 km :: Ocean (South Atlan)	N/A :: Sfc
2382	Wind Velocity, LAWS Line-of-sight (Level-1B)	Batcs		:: 8/11/7	7/0ay	4 x 4 dg :: G	1-1.5 km :: Atmos
1654	Wind Velocity, Land afc	Berron	m/s de		1.4		
1655	Wind Velocity, Land afc	Remon	The de		1/gay	100 km :: Land	N/A :: Sfc
П	Wind Velocity, Land efe	Berron	an's an		l /day	30 m :: Land/L	N/A:: Sfc
Т	Wind Velocity Rotational Horizontal	Dicking	mys,og	=======================================	1/day	10 km :: Land/R	N/A :: Sfc
Ţ	Wind Velocity See efe	Abbett				<0.5-1 deg :: G	
1	Wind Velocity Com of	Domot	mys,ag	10%,<20dg :: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	N/A :: Sfc
Т	Wind Velocity 6	Darron	m/s,dg	1 m/s,7 :: 1 m/s,7	1/day	10 km :: Ocean/R	N/A :: Sfc
Т	West Velocity, See Mc	Barron	βp's/ш	1 m/s,7 :: 1 m/s,7	1/day	100 km :: Ocean	N/A :: Sfc
Т	Wild Vencin, Ser ac	Buc	m/s,dg	:: 10%; 20 dg		25 km :: Ocean	N/A:: Near sfc
Т	wind velocity, sea fit	Dickinson				<0.5-1 deg :: Ocean	
\top	wind velocity, sea sic	Hansen	m/s,dg	10% ::	1/wk	500 km :: Ocean	:: Sfc
Т	wind Velocity, Sea stc	Hartmarm	m/s,dg	2 m/s :: 2 m/s	1/day	50 km :: Ocean	N/A :: Sfc
Т	Wind Velocity, Sea_sfc	Rethrock	m/s,dg	2 m/s :: 2 m/s	1/day	100 km :: Polar	N/A : Neer of
T	Wind Velocity, Sea_sfc	Rothrock	m/s,dg	2 m/s :: 2 m/s	1/day	25 km :: Polar	N/A :: QC
П	X-Ray Energy Spectra	Schoeberl	photon/cm^2/s/A	20% :: 15%	1/day	S del AT :: G	N/A :: 15.110 hm
3421	X-Ray Images	Dickinson					111111111111111111111111111111111111111

IDS Input Requirements Listed by IDS Investigator

Appendix L

Science Processing Support Office (SPSO)

Goddard Space Flight Center

August 1992

Resol. :: Cover. N/A :: Sfc N/A :: Sfc N/A :: Sfc N/A :: Sfc Vertical 15-30 m :: Ocean/Cryo The "best" and "alternative" matches were 10 km :: Ocean/Cryo 22 km :: Ocean/Cryo 25 km :: Ocean/Cryo Resol. :: Cover. selected by comparing the stated IDS requirements with the output product Hortzontal specficiations for these fields. 1/day, 1/wk, 1/mo Temporal Resolution Acronyms and abbreviations are described in Table A-1. Coverage keywords are described in Table A-3. <=5%::<=5% Abs:: Rel Accuracy Match Type BM ¥ ¥ Match Types are Prod # described in Table A-4. 3153 3611 3152 Platforms Investigator **EOS Instrument Output Data Product** Salomonson TBD indicates a post-launch data An asterisk (*) product. AM,PM AM2 ₹ Appendix L: IDS Input Requirements Listed by IDS Investigator MODIS MIMR ASTER Instr. Prod # 3156 These output products have been identified by the SPSO as "best" or "alternative" required input product #3156. matches for the IDS IDS Input Data Product Product Name Sea Ice Edge Investigator

Abbott

IDS Input Requirements Listed by IDS Investigator Legend for Appendix L:

that have been matched to proposed EOS output products. This table lists the IDS input requirements

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Proof Instr. Proof Inst. Inst		IDS Input Data Product		F	S Instrument	FOS Instrument Output Data Product	Product	ľ	Accuracy			
Count line 1912 Count line 1912 Count line 1913 Count line 1914 Count line 1914 Count line 1915 Coun	_	Product Name	Prod#	Instr.	Platforms	Investigator	Prod #	Match	Abs :: Ref	Resolution	Resol :: Cover	Peent Cover
CHESS THY, AND BALLON 1500 10 10 10 10 10 10 10 10 10 10 10 10 1	Abborr	Cloud Lig water Total Column	8161						104 54.	101.2 Amil		nesot Cover.
Maile Mail		ļ		CERES	TRM AM PM	Rankstrom	1930	NA.	SOE 104	((a) (a)	CS and C CECON (SOMEON)	Commen :: Irop
Housing Profile High Hig				AIRS		Rosembrane	***	3	0101	urb km/o	D:: H3 C7	Column :: Atmos
Houside Profit 1813				MIMR		TBD	3598	N N	0.1 :: 0.1	urni km/r	D:: HALO.	N/A :: Cloud
Trackers, Selection Trackers, Selection	Abbott	Humidiry Profile	1805						2000			dour :: UNI
Freedom Free			3	ATDE			9001	744	#C :: #O!	11(1-2 day)	25 Pm :: Ocean (Southern)	I km :: Trop
Cocca Workstring, Fraid Claims 255 BM 255; 256 141; 249] 14 to :: Cocca Scholard 1	Althon	Total Carlo		2		Caroun, racming,	9701	DIM	10%:: 3%	7/day [d,n]	13 x 50 - 50 x 50 km :: G	2 km :: Atmos
MODIS AMAPA Tears 2245 BM 200 5 5.004 1450, 1460, 1460 1500, 1460, 1	Abbott	ITOGLONCE, SOLO	5569						5%::1%	11(1-2 day)	1-4 km :: Ocean (Southern)	NIA :: Sfc
Octaon Production (Column 257) WIGOS (NAM) Times 2255 BM 2001-15-206 I (Jay), Light 14 to 1: Ocean (Section Control Cont				MODIS		Gordon	2267	MM M	10% :: 5%	1/day [d]	1 km :: Ocean	N/A:: Sfc
Ocean Water Attenuation Code 300 100 AALMAN AND AND AND AND AND AND AND AND AND A			- 1	MODIS		Taure	2268	BM	200 :: 5 - 20%	1/day, 1/wk	1 km :: G,R	N/A :: Atmos
Cocon Ware Futuration Corp. 20000 2000 2000 2000 2000 2000 2000 2000 2000 2000	Abbort	Ocean Productivity, Primary, Total Column								11(1-2 day)	1-4 km :: Ocean [Southern]	NIA::TOO
Ocean Ware Attenuation Cody 1304 AALPM Carte 2011 BM 25% 210% 11(17.2 day) 14 ats 1.0 cone.1/Life Ocean Ware Attendand Cody 1300 AALT AALT 2011 BM 25% 210% 11(17.2 day) 14 ats 1.0 cone.1/Life Organic March Today, Significant 130 AALT ALT				MODIS		Abbott	2097	ВМ	:: \$0-100%	1/day, 1/wk	1 km :: Ocean-I/R,L	N/A:: T00
MODIS AMPM Green, Clark 2001 BM 3255 1050	Арфон	Ocean Water Altenuation Cod	3204						20% :: 5%	11/1-2 day)	14 km :: Ocean [Southern]	NIA TOO
MICHAEL MICH				MODIS		Clerk	2031	BM	35% :: 10%	1/day 1/wk	1 km :: Ocean_I/I	N/A :: TOO
Organization Mater Conc. Disorbided 1370 ALT Fig. ALM STATE (1978) ALM STATE (1978) ALM STATE (1978) ALM STATE (1978) Intig 260-00 12.20 Pm.: Ocean (Saubera) Organiz Mater Conc. Disorbed 2579 MODIS AALP Device and 2.515 BM 1509-2.30% Intig 260) 14-48-1. Ocean (Saubera) Physiphablon Recleante 3509 AALP Corona 2515 BM 1509-2.30% Intig 1600-100-10 Intim Coren/L Physiphablon Recleante 3500 AALP Corona 2515 BM 5096-2.30% Intig 1600-100-10 Intim Coren/L Physiphablon Recleante 2500 AALP Corona 2515 BM 5096-2.30% Intig 1600-100-10 Intim Coren/L Physiphablon Recleante 2500 AALP Corona 2515 BM 5096-2.30% Intig 1600-10-10 Inter-Coren/L Physiphablon Recleante 2500 AALP Corona 2515 BM 5096-2.30% Intig 2600-10 Inter-Coren/L Physiphablon R				MODIS		Gordon, Clark	3200	₹	25% :: 10%	1/dav. 1/wk. 1/mo	1 km :: Ocean-1/R 1	N/A :: TOO
Marco Marc	Abbon	Ocean Wave Height, Significant	3130						104 (4.	Comp oc 01/11	1-10:00	14A 100
Organic Matter Chee, Disorbed 257 AM-PM Prisone of a control		•		ALT		F	31.29	×	> 5m 10%	(fm 02-01)11	7 km : Ocean (Southern)	N/A 66
MODIS AALPIA Partiew et al 251 BM 1598;1309 114m;1, Inc. 1 m;1 Ocean(Control Control C	Abbon	Organic Matter Conc. Dissolved	2579						SOC JOC.	111.2 42.1	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	14/0 310
Physolothen Backenter 3100 AMLPM Carter 2581 BM 1504:1304 Iday, I.Nt., I.Pm I timi: CocantR.				MODIS		Pareloss et al	2581	Ma	1504 204	1,4-1,11-1	TA KAR :: Ocean Sounday	NA :: TOO
Phyopiadach Backenter 320				MODIS	Т	Conder	3,681	20	1504 304	1/12, 1/41, 1/110	I km :: Ocean (Southern) K.L.	N/A:: 100
Pigment Conc. Physiophetics 2587 MAPM Genden 2557 BM 578; 20% 1/41; 2.459) 14 har: Ocean(Saukeri) 14	Abbott	Physical carries Bucherates	2200	CICCIO	000		187	E DIA	30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0	1/GBy, 1/WK, 1/THO	I KM :: Occan/K,L	N/A:: 100
Pigment Conc. Physophythia 284		The processing the second of t	3503	MONE			93336		30% :: 20%	Ilday	14 km :: Ocean	NIA :: NIA
Figurest Conc. Physiciation Conc. Physiciation				SIGURE		Cordon	2007	Z.		1/day, 1/wk, 1/mo	1 km :: Ocean/R	N/A :: TOO
Pignost Conc. Physplosition 1855 110 140 150		rigment Conc, Phycoerythria	2584						50% :: 20%	11(1-2 day)	I-4 km :: Ocean (Sowhern)	N/A :: TOO
Pignat Conc. Physication 2387 MISR AM Diore 2489 BM 395s; 1056 1/10.2 day) 1 14 har; Ocean(Scattberry]				HIRIS		Davis, Melack	3072	AM.	100%:: 50%	1/(>=2 day)	60-90 m :: Ocean-I/L	N/A :: T00
MISR AM Diner 2589 BM 30% :: 30% 1/(1.2 day) 192 tun : OceanG.R 1 100 tun 1 1 1 1 1 1 1 1 1		Pigment Conc. Phytoplantson	2587						35% :: 10%	11(1-2 day)	1-4 km :: Ocean [Southern]	NIA :: TOO
MISR AMP Gordon, Clark 258 AM 30% : 10% 1/43 \(\) 1/42, 1/42, 1/44,				MISR	T	Diner	2589	Æ	30% :: 30%	1/(1-2 day) [d]	1.92 km :: Ocean/G,R	N/A:: TOO
Precipitable Water 1834				MODIS		Gordon, Clark	2592	BM	30% :: 10%	1/day, 1/wk, 1/mo	1 km:: Ocean/R.L.	N/A:: TOO
Precipiable Ware 1838				MISR		Diner	2588•	¥	30% :: 30%	1/(1-2 day) [d]	240 m :: Ocean/R	N/A:: TOO
Precipiable Water 1834 MODIS AM_PM Mencel 1874 AM 1875 MODIS AM_PM Modis 1874 AM 1875 MODIS AM_PM Modis 1875 AM 1875 MODIS AM_PM Modis 1875 MODIS AM_PM Modis 1875 AM 1875 MODIS AM_PM Modis 1875 MODIS MODIS AM_PM Modis 1875 MODIS				MODIS		Gordon, Clark	2591	ΨV	30% :: 10%	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A:: TOO
MODIS AM-PM Marcel 1875 BM 10 mm : 5 mm 2/day S ± m : Ceen		Precipitable Water	1858						10%::5%	II(1-2 day)	25 km :: Ocean [Sowhern]	Column :: Trop
MINR PM TBD 3596 AM 848.:6% 1/day 52 hii: Ocean 22 hii: Ocean MINR PM Kadmina, Tame 3693 AM 2 min. 1 1/day 54 hii: Land 50 hii: O 50 hii				MODIS		Menzel	1875	BM	10 mm :: 5 mm	2/day	5 km :: G	N/A :: Atmos
MODIS AMPM Kaufman, Tarre 1874 AM 885 :: 656 1/dby S thm: Land				MIMR	T	TBD	3596	₩			22 km :: Ocean	Column:: Trop
AIRS PM Rosenbrand 3693 AM 2 mm: 1 mm 2/day [d_n] 50 km; G AIRS PM Checin, Fleming 1869 AM 5% :: 1% 2/day [d_n] 50 km; G Precipitation Rate, Rain 1972 MIDAR PM TBD 3600 BM 5% :: 1% 1/day [d_n] 50 km; G Sea Joe Edge 3156 MIDAR PM TBD 3613 BM <=5% :: <=5% 1/day, I/k, I/mo 12 km; G/cean/Cryo MODIS AM,PM Salomorson 3153 BM <=5% :: <=5% 1/day, I/k, I/mo 11 km; G/cean/Cryo MODIS AM,PM TBD 3613 BM <=5% :: <=5% 1/day, I/k, I/mo 11 km; G/cean/Cryo MODIS AM,PM TBD 3613 AM <=5% :: <=5% 9/day, I/k, I/mo 11 km; I/mo 11 km; I/mo 11 km; I/mo 11 km; I/mo Sea Level Height 3105 AM				MODIS	T	Kaufman, Tarre	1874	¥	8%:: 6%	1/day	5 km :: Land	N/A :: Atmos
Precipitation Rate, Rain 1972 PM Checita, Perming, 1869 AM 5%::3% 2/day [d,n] 50 km::G				AIRS		Rosenteranz	3693	¥	2 mm :: 1 mm	2/day [d,n]	50 km :: G	N/A :: Trop
Precipitation Rate, Rain Processing Sea Lee Edge 1972 Amanage Manage Manag				AIRS		Chedin, Fleming.	1869	₹	5%:: 3%	2/day [d,n]	50 km :: G	N/A :: Trop
Sea_Lee Edge 3156 MIMR PM TBD 3600 BM <=5%::<=5%	Abbon	Precipitation Rate, Rain	1972						5%::1%	(1-2)/day	25 bm :: Ocean [Southern]	NIA :: Trop
Sea_Ice Edge 3156 AM_PM Salomonson 3153 BM <=-5\%:: <=-5% 1/day, 1/wk, 1/mo 12 km:: Ocean/Cryo MODIS AM_PM Salomonson 3153 BM <=-5\%:: <=-5%				MIMR		TBD	3600	BM			22 km :: Global	N/A :: Sfc
MODIS AM_PM Salomonson 3153 BM C=5%: C=5% 1/day, 1/wk, 1/mo 10 km:: Ocean/Cryo		Sea Ice Edge	3156							Kapii	25 km :: Ocean/Cryo	NIA :: Sfc
MIMR PM TBD 3613 BM C=556.: C=556 1/day, 1/wk, 1/mo 1 km:: Ocean/Cryo. R				MODIS		Salomonson	3153	M	<=5%:: <=5%	1/day, 1/wk, 1/mo	10 km :: Ocean/Cryo	N/A :: Sfc
MODIS AM_PM Salomonson 3154 AM C==5% 1/day, 1/wk, 1/mo 1 km :: Ocean/Cryo,R				MIMR	T	TBD	3613	EM.			22 km :: Ocean/Cryo	N/A :: Sfc
MJMR PM TBD 3611 AM 22 km :: Ocean/Cryo				MODIS	T	Salomonson	3,54	₹	<=5%:: <=5%	1/day, 1/wk, 1/mo	1 km :: Ocean/Cryo,R	N/A :: Sfc
See_Level Height 3105				MIMR		TBD	3611	₹			22 km :: Ocean/Cryo	N/A :: Sfc
Sea_Level Height 3105 ALT Pu 3112 BM 10 cm :: 3 cm 1/(10-20 day) 10-20 bm :: Ocean ALT ALT Fu 3112 BM 5 cm ct at i:: 1/(16 day) 7 km :: Ocean Sea_3/c Temperature (SST) 250 AM-PM Brown 2577 BM 0.3 K :: 0.10.3 K 1/4 km :: Ocean [Southern]				ASTER		Welch	3152	₹			90 m :: Ocean/Cryo	N/A :: Sfc
ALT ALT Pu 3112 BM 10 cm :: 7 km :: Ocean 7 km ::		Sea Level Height	3105						S cm :: 3 cm	11(10-20 day)	10-20 km :: Ocean [Southern]	N/A :: Sfc
Sea_3fc Temperature (SST) 25 km :: Ocean 3108 BM Scm of al :: 1/(16 day) 25 km :: Ocean				ALT		æ	3112	M	10 cm ::		7 km :: Ocean	N/A :: Sfc
Sea_3fc Temperature (SST) 2504 AM-PM Brown 2527 BM 0.3-0.5 K:: 0.1-0.3 K 1/day, 1/wk, 1/mo 1 km:: Ocean/L				ALT		윤	3108	Æ	Scm et al ::	1/(16 day)	25 km :: Ocean	N/A :: Sfc
AM.PM Brown 2527 BM 0.3-0.5 K :: 0.1-0.3 K 1/day, 1/mo 1 km :: Ocean/L		Sea_sfcTemperature (SST)	2504						0.5 K :: 0.05 K	(1-2)/day	I-4 km :: Ocean [Southern]	NIA :: Sfc
				MODIS		Brown	2527	BM	0.3-0.5 K :: 0.1-0.3 K	1/day, 1/wk, 1/mo	1 km :: Ocean/L	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

					()ntont ()ata Product		_	Accuracy	remporar		A CI III WI
Investigator	Product Name	Prod #	Instr.		Investigator	Prod # Match	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
III VESTIBATO	٦.		+	Т		96.50	2	0.10 - MAO. O	1/dav. 1/wk. 1/mo	4 km :: Ocean/R,L	N/A :: Sfc
Abbort	Sea_sfc Temperature (SST)	. L	MODIS		Brown Beston	25.30	E E	0.10 6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	4 km :: Ocean/R,L	N/A :: Sfc
		1	AIRS	PM	Chedin. Fleming.	2523	¥	05-1K::04-05K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc
411	(TS)	3036						1 K :: 0.1 K	(1-2)/day	50 km :: Ocean [Southern]	NIA :: Sfc
Abbott	Sea Science and (SSI)	6	MODIE	AM PM	Brown Ration	2532	EM	0.3-0.4K :: 0.1-0.6K	1/day, 1/wk, 1/mo	50 km :: Ocean	N/A :: Sfc
		1	AIRS	MA	Oredin, Flemine.	2523	M	0.5 - 1 K :: 0.4 - 0.5 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc
		-4	MODIS	AM PM	Brown	2528	W	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
		-	MODIS	AM PM	Brown Barton	2531	¥	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A:: Sfc
		. 1 -	MIMB	M _A	QEL	3603	¥			60 km :: Ocean	N/A :: Sfc
	- B B B B B B B B B B	1867						10%::5%	II(1-2 day)	25 km :: Ocean [Southern]	l km :: Trop
Abbott	i emperature riojiue	Carr	AIRS	Md	Chedin. Flemine.	1588	BM	1.0 K :: 0.4 K	2/day [d,n]	15 x 50 - 50 x 50 km :: G	1,2 km :: Atmos
	4 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	2021						10% :: 5%	11(10-20 day)	25 km :: Ocean [Southern]	NIA :: Sfc
Арроп	wina speea, sea_sjc		TIV	AIT	F	1735	BM	2 m/s ::		7 km :: Ocean	N/A :: Sfc
		_	ATP.	Na	Avenam	1718	EM.		1/day	50 km :: Ocean	N/A :: Sfc
			2 2 2	Md	URL	38	NA.			39 km :: Ocean	N/A :: Sfc
		•	MIME	MA	CEL CEL	3595	₹		l mo	1 dg :: Ocean	N/A :: Sfc
		900	WINTEN STATE					10% :: 5%	11(1-2 day)	25 km :: Ocean [Southern]	NIA :: Sfc
Abbott	Wind Speed, Sea_sfc	80//	111	114	ď	1715	Æ	2 m/s ::		7 km :: Ocean	N/A :: Sfc
				170		****	A		1/dav	50 lcm :: Ocean	N/A :: Sfc
			AIKS	M	TOD	350	W			39 km :: Ocean	N/A :: Sfc
			MIMIN	W	201			104 < 20de 54	11(1-2 day)	25 km :: Ocean (Southern)	NIA :: Sfc
Abbott	Wind Velocity, Sea_sfc	rc/	4.00	7015	T-11ch	UBY	MA	10%: 16 der	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
			SIIKSCAL	CHEM	חמוומו	2001			1/11/1	10 tm :: G	N/A :: S/c
Barron	Albedo, Land_sfc	2013			:	3	74	150 5 90.	1 May 1 Auk	10 km :: G.R	N/A :: Sfc
			Modis	MA'MA	Tarre, Muller	0102	E S	Bro - C :: 9rC1	1/day	50 km :: Land	N/A :: Sfc
			AIKS	W.	יייייייייייייייייייייייייייייייייייייי	3666	2	5 C 16.	1/day	1 km :: Land/R	N/A :: Sfc
			MODIS	Ma MA	Muller Strabber	3	¥	5% :: 3%	1/day	1 km :: Land/R	N/A :: Sfc
			MODIS	10 Tan	interior of the state of			:-	Hday	100 km :: G	NIA :: TOA
Barron	Albedo, TOA	2023		700 711	Manthe Combles	3,667	Z	5434.	1/dav	1 km :: Land/R	N/A :: TOA
			MODIS	MA, MA	Muller Strabber	Į,	MA	10% :: 5%	1/(3-8 day)	1 km :: Land/R	AOT :: A/N
			MODIS	MA	Diner	100	¥	<=0.03 :: 0.01	1/(S-16 day) [d]	1.92 km :: G	N/A:: TOA
		2040	WEST		-			\$:: \$	IIday	100 km :: G	N/A :: Cloud
Barron	Cloud Cover	2043	MODIE	Md MV	Kine	2082	BM	10% :: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
			TERES	15	M Barkstrom	2088	BM	5% :: 2%	1/day [Avg], 1/mo [Avg]		N/A :: Atmos
-			AIRS	M	Orahine, Chedin	L	BM	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
			CERES	15	M Barkstrom	╄	Ą	5%:: 2%	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Atmos
			CERES	TRM AM PM	Barkstrom	2086	W	5%:: 2%	6/day [d,n]	25 km :: G	N/A :: Atmos
			MODIS	AM.PM	1	2081	W	10% :: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud
			GIRSA	ALT	Spinhime	2078	AM	:: % :	1/(2-16 day)	10-200 km :: G	N/A::
,		2050						5 :: 5	Ilday	10 km :: R	N/A :: Cloud
Barron	CIONA COVET		MODIS	MA MA	Kine	2081	Æ	10%:: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud
			GI BS-A	ALT	Soinhime	2078	₹	: %:	1/(2-16 day)	10-200 km :: G	N/A::
		1300			1			5::5	IIday	30 m :: L	N/A :: Cloud
Ватон	C total Cover	1007	PIGIT	CMA	Welch	2079	M	1%::0.5%	1/(1-3 min), 1/(2-16 day)	y) 30m::L	:: Cloud
			ASTER	AMI	Welch	2080	¥	3%:: 3%	1/(16 day)	90 m :: L	N/A:: Cloud
		1 280						100 m :: 50 m	l/day	100 km :: G	100 m :: Cloud
Barron	Cloud Height, Base	9867	CERES	TRM AM PA	TRM AM PM Barkstrom	1395	BM	1.0 km :: 0.1 km	1/day [Avg], 1/mo [Avg]	g] 1.25 x 1.25 dg :: G	0.1 km :: Atmos
			, China	4							

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Investigator	IDS Input Data Product	3	ĕ	EOS Instrument		Product		Accuracy	Temporal	Horizontal	Vertical
Danie Such	r rounce trame	# B0.L.	Instr.	Platforms	Investigator	Prod # Match	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Barron	Cloud Heigh, Base	1380	CERES	TRM,AM,PM	Barkstrom	1393	BM	1.0 km :: 0.1 km	[u,b] ysb/8	25 km :: G	0.1 km :: Atmos
Ватон	Cloud Height, Base	1381						100 m :: 50 m	1/day	10 km :: R	100 m :: Cloud
			CERES	TRM,AM,PM	Berkstrom	1393	BM	1.0 km :: 0.1 km	[d,b] (d,n)	-25 km :: G	0.1 km :: Atmos
Ватон	Cloud Height, Base	1382						100 т.: 50 м	11day	30 m :: L	100 m :: Cloud
		-	HIRIS		Welch	13%	BM	S0m:: 50m	1/(2-16 day)	30m::L	N/A :: Cloud
			ASIEK	ZWI	Welch	1391	×γ	100 m :: 100 m	1/(16 day)	100/ш :: Г	N/A :: Cloud
DOLLON	CLOUD HEIRM, TOP	2141						100 м :: 25 м	11day	100 km:: G	100 m :: Cloud
			CERES	₹.	M Bartstrom	1430	BM	1.0 km :: 0.1 km	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	0.1 km :: Atmos
			AIRS	Т	Chahine, Chedin,	1423	ΨV	0.5 km :: 0.25 km	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
			MODIS	Ī	Menzel	1529	W	50 mb :: 20 mb	1/day, 1/mo	1 dg :: G	N/A :: Cloud
			EOSP	AERO,AM2	Travis	1530	ΨV	30 mb :: 30 mb	1/day [d]	40 km :: G	30 mb :: Cloud
Ватон	Cloud Height, Top	1413						100 m :: 25 m	1/day	10 km :: R	100 m :: Cloud
			CERES	TRM,AM,PM	M Barkstrom	1429	BM	1.0 km :: 0.1 km	[u'p] (dp)	25 km :: G	0.1 km :: Atmos
		1	MODIS	_	Menzel	1528	ΑM	50 mb :: 20 mb	2/day	S 1551:: G	N/A :: Cloud
		1	GLRS-A	ALT	Spinhime et al	1425	₩	75 m ::	1/(2-16 day)	200 m :: G	75 m : Cloud
		1	MISR		Diner	1432*	AM	<1000 m :: <1000 m	1/(5-16 day) [d]	5 km :: G	N/A :: Troo
			MISR	ЧΥ	Diner	1433*	AM	100 m :: 100 m	1/(5-16 day) [d]	500 m :: R	N/A :: Trop
Ватон	Cloud Height, Top	3						100 m :: 25 m	1/day	30 m :: L	100 m Cloud
		1	HIRIS		Welch, Goetz	1426	BM	500 m :: 250 m	1/(2-16 day)	30m::L	N/A :: Clond
		1	GLRS-A	ALT	Spinhime et al	1425	₹	75m::	1/(2-16 day)	200 m :: G	75 m :: Cloud
			ASTER	AMI	Welch	1427	Æ	300 m :: 300 m	1/(16 day)		N/A :: Cloud
Barron	Cloud Liq_water Content	1902						0.1 :: 0.05	1/day	100 tm G	
		1	AIRS		Rosentranz	1908•	ВМ	0.1 :: 0.1	2/day [d,n]	50 km :: G	N/A :: Cloud
			CERES	TRM,AM,PM	Barkstrom	9681	AM	75% :: 10%	6/day [d,n]	25 km :: G	lvr:: Atmos
Barron	Cloud Liq water Consens	1903						0.1 :: 0.05	Ilday	10 km :: R	I bm : Claud
			MIMR	- Md	TBD	3658	BM			22 km :: Ocean	N/A :: Troo
			CERES	TRM,AM,PM Barkstrom	Barkstrom	1896	¥	75% :: 10%	(up) sep/9	25 km : G	lve :: Atmos
			ASTER	WY	Welch	3626	₹		1/(16 dav)	1 : E 08	N/A :: Claus
Barron	Cloud Optical Depth	7301						3% :: 3%	//day	100 km :: Ocean	MA Cloud
			CERES	TRM_AM_PM Barkstrom	Barkstrom	2317	BM	10%:: 5%	1 Iday [Avg]. 1/mo [Avg]	1.25 de :: G	N/A :: Atmos
			CERES	TRM,AM,PM	Barkstrom	2322	BM BM	10%:: 5%	1 Alay [Ave]. 1/mo [Ave]	25 de : G	N/A : Atmos
		1	EOSP	AERO,AM2	Travis	2313	AM	20% :: 10%	1/day [d]	40 km :: G	Column: Cloud
			MODIS		King	2312	Æ	20%:: 10%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
			CERES	TRM,AM,PM	Barkstrom	2321	ΑM	25% :: 10%	3/day [d]	25 km :: G	N/A :: Atmos
Barron	Cloud Optical Depth	2302		░				3%∷3%	1/day	10 km :: Ocean/R	N/A :: Cloud
		Ī	MODIS	AM,PM	King	2311	BM	20%:: 10%	1/day [d]	5 km :: G	N/A :: Cloud
Barron	Cloud Optical Depth	2303						3%::3%	1/day	30 m :: Oceanl	N/A :: Cloud
			HIRIS		Welch	2309	BM	3% :: 1.5%	1/(1-3 min), 1/(2-16 day)	30 m :: L	N/A :: Cloud
			ASTER	AM1	Welch	2310	Α¥	3%::3%	1/(16 day)	15-30 m :: L	N/A :: Cloud
Barron	Cloud Temperature, Emission	2428 85+2						2::1	1/day	100 km :: G	NIA :: Cloud
			MODIS	>	Menzel	2466	BM	2C::1C	1/day, 1/mo	1 dg :: G	N/A :: Cloud
			AIRS	M	Chahine, Chedin,	2463	₹	1 K :: 0.5 K	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
Ватон	Cloud Temperature, Emission	S420						2::1	1/day	10 km :: R	NIA :: Cloud
			MODIS	_	Merzel	2467	æ	2C::1C	2/day	S imi G	N/A :: Cloud
		3000	ASTER	VW1	Welch	2465	¥	2K::2K	1/(16 day)	90m::L	N/A :: Cloud
Ватом	Drainage_Network Structure	5862 2803						30 m ∷	11(3 mo)	30 m :: Land/L	NIA :: Sfc
			HIRIS	AM2	Kieffer, Clark	2884	AM.	:: 30%	,	30 m :: L	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Proof 8 Instit. Produces Investigate Proof 8 Match 2 Abs.: Red 3 Resolution Resol.; Cover. Resolution Soc. Abs.: Red 3 Abs.: Red 3 Abs.: Red 3 Abs.: Red 3 Abs.: Red 4 Abs.: Red 5 A		1.	-		Tachmann C	Ontant Date L	Pool 100	-	Accurace	Tompore	Horizontal	Vertical
	Investigator	Product Name	Prod #	Instr.	Platforms	Investigator	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Housely Profit 1887 1883 1884 1985; 58 1884 1885 1885; 58 1884 1885 1885; 58 1884 1885 1885; 58 1884 1884 1884 1884 1884 1885; 58 1884	Barron	Drainage Network Structure	2905	ASTER	1	Т	2828	¥	>50 m :: >30 m	1/mission	15 m :: Land/R.L	30 m :: Sfc
14.2 See Transment 15.00	Borros	Humidity Profile	787						10% 5%	//dex	10 km :: R	:: Trop
12 Shee Enesies 150 Sheet Sheet Sheet Sheet Sheet Enesies 150 Sheet Sheet Enesies 150 Sheet Enesies 150	NO. AND	Harran J. Ohie	21 }	ATDe	Ma	Quedin Demine	8081	M	104 54.	2/dev [d n]	15 x 50 . 50 x 50 km :: G	2 km :: Atmos
Manualary Profile MRY			1	TES	CHEM	Bear	184	¥	:: 50 ppm	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
14.2 Jan. 15.0	Rarros	Humidity Profile	1807						10% 5%	1/day	100 km :: G	:: Trop
Lot Shart Equation 200			1	AIRS	PM	Chedin, Fleming,	1828	BM	10%:: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
Column C	Ватон	Ice Sheet Elevation	2906						100 ::	11(3 mo)	10 km :: Land/Cryo	:: S/c
Column C				ALT		Zwally	2911	BM	.5m-5m ::	1/yr	15 km :: Land/Cryo	N/A :: Sfc
				GLRS-A		Bentley	2912	AM	100 mm :: 100 mm	1/mo	75 m :: Land/Cryo	N/A :: Sfc
Leg Shed Temperator	Ватон	Ice Sheet Elevation	2907						:: 001	11(3 mo)	100 km :: Land/Cryo	:: 2/c
Int. Shed Traperate 1001 AALPH Vina 2445 BN 110 CT CT Libby, LN 10 km s. Land Crop			<u> </u>	ALT	ALT	Zwally	2911	BM		1/yr	15 km :: Land/Cryo	N/A :: Sfc
Let Sherf Thebeas 1919 AALPH Van 245 BM 13C = 1C Linky 10 Danie Land Crop Let Sherf Thebeas 1919 Cardie Pering 241 BM 13C = 1C Linky 10 Danie Land Crop Let Sherf Thebeas 1919 Cardie Pering 241 BM 100 100 110 110 110 110 Let Sherf Thebeas 1919 Cardie Pering 241 BM 100 100 110 110 110 110 110 Let Sherf Thebeas 1919 Cardie Pering 241 BM 100 100 110 110 110 110 Let Sherf Thebeas 1919 Cardie 1910 19	Rarron	Ice Sheet Temperature	305/						•	I/wk	10 km :: Land/Cryo	NIA :: Sfc
Let Sheel Trupperstant 1913 AALPH Wine 2455 BM 1.05 C. 1.0 1.0 M 1.0			4	MODIS	AM,PM	Wan	2485	BM	1.3C::1C	1/day, 1/wk	10 km :: Land	N/A :: Sfc
10.5 Short Thebress 10.55 ALT ALT Benish 2.05 BN 1.0.0 C 1.0.0 C 1.0.0 C 1.0.0 C 10.5 Short Thebress 10.55 ALT Benish 2.00 C 2.00 C 1.0.0 C 1.0.0 C 10.5 Short Thebress 10.55 ALT Benish 2.00 C 2.00 C 1.0.0 C 1.0.0 C 10.5 Short Thebress 10.55 ALT Benish 2.00 C 2.00 C 2.00 C 1.0.0 C 10.5 Short Thebress 10.55 ALT Benish 2.00 C 2.00 C 2.00 C 2.00 C 2.00 C 2.00 C 10.5 Short Thebress 10.55 ALT Benish 2.00 C 2.00 C 2.00 C 2.00 C 2.00 C 2.00 C 10.5 Short Thebress 10.55 ALT Benish 2.00 C 2.00 C 2.00 C 2.00 C 2.00 C 2.00 C 10.5 Short Thebress 10.55 ALT Benish 2.00 C 2.00	Barron	Ice Sheet Temperature	3052						1 K ::	IIWk	100 km :: LandiCryo	NIA :: Sfc
Col. Sheet Thickness 353 Col. St. A.I.T Demicy 2912 Debt. 100 mm; 100 mm 100 mm 100 mm; 100 mm 100 mm; 100 mm; 100 mm 100 mm; 10				MODIS	AM.PM	Wan	2485	BM	1-3C::1C	1/day, 1/wk	10 km :: Land	N/A :: Sfc
Last Sheet Thickness 1931 Class			1	AIRS	M	Chedin, Fleming.	2481	BM	1.0 K :: 0.5 K	2/day [d,n]	50 km :: Land	N/A :: Sfc
Care Aut Reside State Bank 100 mm; 100 mm 1/mo 17 m; 12 km; 12 km; 12 km; 12 km; 13 km; 12 km; 13 km; 12 km; 13 km; 12 km; 13 km; 12	Rarron	Ice Sheet Thickness	3053						:: 001	11(3 mo)	10 km :: LandiCryo	:: 2/c
ALT ALT Zouly				GLRS-A	ALT	Bentley	2912	BM-	100 mm :: 100 mm	1/то	75 m :: Land/Cryo	N/A :: Sfc
Interpretation Inte			•	ALT	ALT	Zwally	2911	BM.	: m2-m2.	1/yr	15 km :: Land/Cryo	N/A :: Sfc
Col. Bish ALT Beniery 291 BM 100 mm; 100 mm 17nn 17nn 17nn 12nn	Remote	Ire Cheet Thirtness	202						::001	11(3 mo)	100 km :: Land/Cryo	30 m :: Sfc
Aut				GLRSA	ALT	Bentley	2912	BM.	100 пт :: 100 пт	l/mo	75 m :: Land/Cryo	N/A :: Sfc
Last Steet Velocity Last Steet Velocity				ALT	ALT	Zwally	2911	BM.	:: m2-m2.	l/yr	15 km :: Land/Cryo	N/A :: Sfc
CLRSA ALT Benicy 2897 BM 10mm/day 1hm	Rarros	Ice Sheet Velocity	2929						::		:: Land/Cryo	NIA :: Sfc
HIRIS AMZ Kieffer 2903 BM 10-6.5 variable 1/pr 100 m.: Cyo		`		GLRS-A	ALT	Bentley	2897	\vdash	10 mm/day :: 10 mm/day	1/то	N/A :: Land/Cryo	N/A :: Sfc
HRIS AAJ Kieffer 2393 AM 1% : 0.2% 1/yr 30 m: Glaceril.			•	HIRIS	AM2	Kieffer	2932	\vdash	10∿6 :: variable	1/31	100 m :: Сгуо	N/A :: Sfc
Lade Extent 302				HIRIS	AM2	Kieffer	2895	₩	1%::0.2%	1/yr	30 m :: Glacier/L	N/A :: Sfc
Land 50 Roughess 150				ASTER	AMI	Kieffer	2931	₩	20 m/yr :: 10 m/yr	1 yr	15 m :: Land/Cryo	
Land_sic Roughess				HIRIS	AM2	Kieffer	2930	AM	10%6 :: variable	1/yr	100 m :: Land/Cryo	N/A :: Sfc
Lond gt Roughness 1545	Barron	Lake Extent	3062						10% ∷ 10%	1/day	:: LandIR	NIA :: Sfc
Land g/c Roughness 1545 MODIS AM-PM Turne, Maller 1577 BM 156; 15.8% 1day, lake 10 hm; Land/R 10 hm; Lan				ASTER	AMI	TBD	3633	BM	TBD :: TBD	TBD	TBD:: Land/TBD	TBD :: TBD
MODIS	Barron	Land stc Roughness	1545						1.0% :: 0.1	Ilmission, Ily	10 km :: LandiR	NIA :: Sfc
Land gic Roughuess 1546				MODIS	AM,PM	Tame, Muller	1557	BM	15%:: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A :: Sfc
Land sign Roughuess 1546				MODIS	AM,PM	Muller, Tanre	3670*	BM	5%::3%	1/day	I km :: Land/R	N/A :: Sfc
Land 3c Roughness 1577 AMID Kahle, JGI 2828 BM >50 m::>30 m:: Jand R.L. 15 m:: Land R.L.	Ватон	Land stc Roughness	1546						1.0 :: %01	Ilmission, Ily	30 m :: LandlL	NIA :: Sfc
Land 3f Roughess 1547 AM.PM Ture, Muller 1557° BM 15%:: 5.8% 1/day, 1/nk 100 km:: Land Land 3f Temperature, Skin 2472 AM.PM Am.PM Muller, Tanre 3670° BM 5%:: 3% 1/day 1 km:: Land IR Land 3f Temperature, Skin 2472 ASTER AM.PM Wan 2483 BM 1:: 0.5 1/day 30 m:: Land IR Land 3f Temperature, Skin 2474 AM.PM Wan 2485 BM 1:: 0.5 1/day 10 km:: Land IR Land 3f Temperature, Skin 2474 AM.PM Wan 2485 BM 1:: 0.5 1/day 10 km:: Land IR Land 3f Temperature, Skin 2474 AM.PM Wan 2485 BM 1:: 0.5 1/day 90 m:: Land Land 3f Temperature, Skin 2474 AM.PM Wan 2485 BM 1:: 0.5 1/day 90 m:: Land MODIS AM.PM Wan 2485 BM 1:: 0.5 1/day 90 m:: Land MODIS<		•		ASTER	NM1	Kahle, JGI	2828	BM	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc
MODIS AMP MoDIS Tarre, Muller, Tanre 1557* BM 15%.:.5.8% 1/day 1/day 10km::GR Lond yf Temperature, Skin 2472 AMPM AMINE, Tanre 3670* BM 5%::3% 1/day 1 km::Land/R 1 km::Land/R Lond yf Temperature, Skin 2472 AMPM Amin Kahle, Becker, Cl. 2483 BM 1-6.K::03.K 1/day 90 m::Land/R 1 km::Land/R Lond yf Temperature, Skin 2473 AMPM Wan 2484 AM 1-6.K::03.K 1/day 10 km::Land/R 10 km::Land/R Lond yf Temperature, Skin 2478 AMPM Wan 2483 AM 1-6.K::03.K 1/day 90 m::Land 10 km::Land Lond yf Temperature, Skin 2478 AMP 1-6.K::03.K 1/day 90 m::Land 10 km::Land MODIS AMPM Wan 2483 AM 1-6.C::05 1/day 90 m::Land 10 km::Land MODIS AMPM Wan 2484 AM 1-6.C::05 1/day 10 km::Land	Barron	Land stc Roughness	1547						1.0% :: 0.1	Ilmission, Ily	100 km :: Land	NIA :: Sfc
Land sfc Temperature, Skin 2772 AM.PM Mullet, Tarre 3670* BM 5%::3% 1/day 1 km:: Land/R 1 km:: Land/R Land sfc Temperature, Skin 2773 ASTER AM.PM Wan 2483 BM 1.6 K:: 0.3 K 1/(2-16 day) 90 m:: Land/R 10 km:: Land/R Land sfc Temperature, Skin 2773 AM.PM Wan 2484 AM 1.0 C:: 1C 1/day 10 km:: Land/R 10 km:: Land/R Land sfc Temperature, Skin 2774 ASTER AM.PM Wan 2485 BM 1.3 C:: 1C 1/day 90 m:: Land/R 10 km:: Land Land sfc Temperature, Skin 2774 AM.PM Wan 2485 BM 1.3 C:: 1C 1/day 90 m:: Land 100 km:: G MODIS AM.PM Wan 2485 BM 1.3 C:: 1C 1/day 90 m:: Land 100 km:: G MODIS AM.PM Wan 2485 BM 1.3 C:: 1C 1/day 100 km:: C 100 km:: C				MODIS	AM,PM	Tarre, Muller	1557*	ВМ	15%:: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A :: Sfc
Land_sfCTemperature, Skin ASTER AMI Kahle, Becker, CA 2483 BM 1.6 K :: 0.3 K 1/(2.16 day) 30 m :: Land/life 90 m :: Land/life Land_sfCTemperature, Skin 2473 AM.PM Wan 2484 AM 1 C :: 1 C 1/day 1/km; Land/R 1/m; Land/R <				MODIS	AM,PM	Muller, Tanre	3670	BM	5%::3%	1/day	1 km :: Land/R	N/A:: Sfc
Land sfc Temperature, Skin 2473 AM.PM Wan 2484 AM 1.6 K :: 0.3 K :: 0.3 K :: 0.4 K ::	Barron	Land stc Temperature, Skin	202						1::0.5	1/day	30 m :: LandiL	NIA :: Sfe
Land_sfc Temperature, Skin 2473 AM_PM Wen 2484 AM 1 C:: 1 C 1/day 1/may, 1/wk 1 km:: Land/R				ASTER	AMI	Kahle, Becker, C		BM	1-6 K :: 0.3 K	1/(2-16 day)	90 m :: Land	N/A :: Sfc
Land_sfc Temperature, Skin 2473 AM_PM Wan 2485 BM 1:3 C:: 1 C 1/day, 1/wt 10 km:: Land MR ASTER ASTER AMI Kahle, Bocker, Cl. 2483 AM 1:6 K:: 0.3 K 1/(2-16 day) 90 m:: Land 1 Land_sfc Temperature, Skin 2474 MODIS AM_PM Wan 2485 BM 1:3 C:: 1 C 1/day 100 km:: C 100 km:: C MODIS AM_PM Wan 2484 AM 1 C:: 1 C 1/day, 1/wk 1 km:: Land 1 km:: Land				MODIS	AMPM	Wan	2484	ΨV	10::10	1/day, 1/wk	1 km :: Land/R	N/A:: Sfc
MODIS AM,PM Wen 2485 BM 1-3 C:: 1 C 1/day, 1/wk 10 km:: Land Land_sG Temperature, Skin 2474 AM,PM Wen 2485 BM 1/: 0.5 1/day 90 m:: Land 100 km:: G MODIS AM,PM Wen 2485 BM 1/: 3C:: 1 C 1/day, 1/wk 10 km:: Land 10 km:: Land MODIS AM,PM Wen 2484 AM 1 C:: 1 C 1/day, 1/wk 1 km:: Land/R 1 km:: Land/R	Ranna	Lord of Temperature, Shin	2473						1::05	11day	10 km :: LandIR	NIA :: S/c
Land_st/C Temperature, Skin 2774 MODIS AM.PM Man Wan 2483 AM 1-6 K :: 0.3 I/day 1/(2-16 day) 90 m :: Land Land_st/C Temperature, Skin 2474 MODIS AM.PM Wan 2485 BM 1/: 3.5 :: 1C 1/day 1/0 km :: Land 10 km :: Land MODIS AM.PM Wan 2484 AM 1 C :: 1C 1/day, 1/wk 1 km :: Land/R 1 km :: Land/R				MODIS	AMPM	Wan	2485	BM	1-3C:1C	1/day, 1/wk	10 km :: Land	N/A :: Sfc
Land_st/C Temperature, Skin 2474 AM_PM Wan 2485 BM 1:3.0.:1C 1/day 100 km:: G MODIS AM_PM Wan 2484 AM 1 C:: 1C 1/day, 1/wk 1 km:: Land/R				ASTER	AMI	Kahle, Becker, C		ΨV	1-6 K :: 0.3 K	1/(2-16 day)	90 m :: Land	N/A:: Sfc
MODIS AM_PM Wan 2485 BM 1-3.C.:.1 C 1/day, 1/wk 10 km :: Land MODIS AM_PM Wan 2484 AM 1 C::.1 C 1/day, 1/wk 1 km :: Land/R	Rarros	Land atc Temperature, Skin	2474						1::05	IIday	100 km :: G	NIA :: Sfc
AM.PM Wan 2484 AM 1C::1C 1/49y, l/wk 1 km:: Land/R				MODIS	AM,PM	Wan	2485	BM	1.3C:: 1C	1/day, 1/wk	10 km :: Land	N/A :: Sfc
				MODIS	MA,MA	Wan	2484	₹	10::10	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	IDS Input Data Product		EG	FOS Instrument	ant Outnut Data Product	Produce		A 0.0111	T		
Investigator	Product Name	Prod #	Inch	Platforme	Investigator	Dand # Match	Antoh	Abe or Del	I emporal	TIONIZOUIST C	Vertical
9		# 35 S	msm.	_	Investigator	1 to 0	/IBICI	Abs :: Kei	Kesolution	Resol :: Cover.	Resol :: Cover.
B@70M	Landform Distribution	5843						30 ™ ::	11(3 mo)	30 m :: LandiL	NIA :: Sfc
			ASTER	IMV	Kahle, JGI	2828	₹	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc
B@TON	Lightning Rate	1757						10%::10%	1/day	10 bm :: G	N/A :: Asmos
			SI.	TRM	Owistian	1756	BM	:: 5%		.07 dg :: G	N/A :: Atmos
Ватон	PBLHeigh	1510						75 m ::	1/day	10 km :: R	100 m :: Mixed by
			GLRS-A	ALT	Spinhime et al	1514	BM	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Trop
Ватом	PBL Heigh	11511						75 m ::	liday	100 km :: G	100 m :: Mixed Iv
			GLRS-A	ALT	Spinhime et al	1514	BM	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Trop
Ватон	Precipitable Water	1859						3%::1%	IIday	30 m :: L	Column :: Tron
			HIRLS	AM2	Coetz	1873	BM	10% :: 3%	1/(1-3 min), 1/(2-16 day)	30 m :: L	Column :: Tron
Ватон	Precipitable Water	0981						3%::1%	1/day	10 km :: R	Column :: Trop
			MODIS	MAMA	Kaufman, Tarre	1874	BM	8% :: 6%	1/day	5 km :: Land	N/A :: Atmos
			MODIS	M,PM	Merzel	1875	æ	10 mm :: 5 mm	2/day	Skm: G	N/A :: Atmos
			MIMR	PM	TBD	35%	₩			22 km :: Ocean	Column: Trop
			MODIS	AM,PM	Kaufman, Tanre	3321	AM.	12%:: 8%	l day, mo	1 km :: Land	N/A :: Atmos
Ватон	Precipitable Water	1981						3%::1%	l/day	100 km :: G	Column :: Tron
			MODIS	MAMA	Kaufman, Tanre	3322	BM	5%:: 3%	l day, mo	pur :: ap (N/A :: Atmos
			AIRS	Md	Chedin, Fleming.	1869	BM	5%:: 3%	2/day [d,n]	50 km :: G	N/A :: Trop
			AIRS	Md	Rosenkranz	3693	¥	2 mm :: 1 mm	2/day [d,n]	50 km :: G	N/A :: Trop
Ватон	Precipitation Amount	9261						2::1	1/dav	9: w4 001	NIA Tron
			AIRS	PM	Susskind	1969	Æ	2mm/day :: 1mm/day	2/day [d.n]	50 km :: G	N/A :: Trop
			AIRS	PM	Staelin	3694	¥	2mm/hr :: 1mm/hr	2/day [d.n]	50 km :: G	N/A :: Trop
			MIMR	PM	TBD	3600	₹			22 km :: Global	N/A :: Sfc
Ватгон	Precipitation Amount	1927						2::1	1/day	A :: #4 01	MA .: Tron
			AIRS	PM	Susskind	1969	BM	2mm/dav :: 1mm/dav	2/dav [d.n.]	\$0 km :: G	N/A :: Troo
		L	AIRS	PM	Staelin	3694	¥	2mm/hr :: 1mm/hr	2/day [d.n.]	\$0 km :: G	N/A :: Tree
			MIMR		TBD	3600	¥			22 km :: Global	30 : V/N
Ватон	Radiative Flux, LW	2185						3 01	HAnn	J4001	33 AVA
		!	CERES	TRM AM PM Barketmm	Rarketrom	w.c	Ma	C W AM 2 C W AM 2	1 Man (A) 1 ()	100 km :: 0	Je: VIN
		•	CERES	TRM AM PM	Barketrom	218	No.	5 White 2 5 White 2	May Avg. 1/mo Avg.	O :: 30 C7:1	N/A :: SIC
		•	AIRS		Cantier 77, Susski	2200	+	210. TBD : <5. TBD	2/dex (de)	O. 20 C. 1 X C. 1	N/A :: SIC
		•	AIRS		Gautier ??. Susski	2210	+-	C10. TRD C5. TRD	2/day [d.n.]	SO France Contract	33: A/M
		•	AIRS		Cautier	2176	\vdash	<15:: TBD	1/day	50 km · Land	35 : 4/N
			AIRS	PM	Gautier	2177•	₹	<10:: TBD	1/day	50 km :: Ocean	N/A :: Sfc
Ватом	Radiative Flux, LW	2187						10::5	liday	10 km :: R	N/A :: Sfc
			MODIS	AM,PM	Kaufman, Tarre	2380	BM-	10%:: 5%	1/dav. 1/mo	10 km :: Land	N/A :: Sfe
			MODIS	AM,PM	Gordon et al	2417	BM-	5%:: 5%	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
Ватом	Radiative Flux, LW	2189						10::5	11day	100 km :: G	NIA :: TOA
			CERES	TRM.AM.PM	Barkstrom	2200	BM	3 W/m^2 :: 1 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A:: TOA
Ватон	Radiative Flux, SW	2237						10::5	11day	100 km :: G	NIA :: Sfc
			CERES	TRM,AM,PM Barkstrom	Barkstrom	2230	BM	10 W/m^2 :: 2 W/m^2	1 Asy [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM,AM,PM	Barkstrom	2248	BM	10 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfe
			CERES	M	Barkstrom	222	MA M	10 W/m^2 :: 2 W/m^2	1 May [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfe
			AIRS		Cautier	2232	¥	<15::<5	1/day	50 km :: Land	N/A :: Sfe
			AIRS	PM	Gautier	233	₹	<10:: <5	1/day	50 km :: Ocean	N/A :: Sfc
Barron	Radiative Flux, SW	2238						10::5	11day	10 km :: R	NIA :: Sfc
			Modis	AM,PM	Kaufman, Tarre	2380	BW.	10%:: 5%	1/day, 1/mo	10 km :: Land	N/A:: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Physical Pale Froduct Abs.: 18 Resolution				000				-				M/441
Sea Let Conc. Maily not. Maily Cooper at Maily M	Investigator	IDS Input Data Product	Prod #	Instr	Platforms	Output Data F	roduct Prod # N	Tatch	Accuracy Abs :: Rel	I emporal Resolution	Resol :: Cover.	Vertical Resol :: Cover.
See International Content March March	9	Badissins Ehra Cilv	3238	╁	1		3416	2	ζŒ ζŒ.	Out 1 Aut 1 Aut	1 km :: Ocean/R 1	N/A :: Sfe
Sea_Lec Conc. Mail-year 1107 MANA Materian 231 MA 1967-21-24 May 1169 116	Ser 704	ROCKERVE FIRE, 3 W	0677	MODIS		Gordon et al		AM.	5%:: 5%	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
Sea Let Conc. Maily Ma	Rorros	Radiative Flux SW	2239				L		10::5	//dav	100 km :: G	NIA :: TOA
Sea_Lec Conc. 3159 MaDAR PM TED Still BM Still-Still Still-Still BM Still-Still Still-Still BM Still-Still Still-Still-Still Still-Still Still-Still Still-Still Still-Still Still-Still Still-Still			<u>-</u>	1	-	Barkstrom	12251	BM	7 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A:: TOA
Star EcConc. MADR PA4 TED Still BM Still Still	Ватон	Sea Ice Conc	3136		10000				5% .: 5%	1/day	100 km :: Ocean/Cryo	NIA :: SSc
Sea Let Conc. 1177 MAPPR PM TRD Still BM Still Sti				MIMR		TBD	3611	BM			22 km :: Ocean/Cryo	N/A :: Sfc
Sea jet Conc. Many Nation Natio	Ватон	Sea Ice Conc	3137						5% :: 5%	liday	10 km :: OceanOryo	N/A :: Sfc
Sea_Ice Conc. Math. Wochs Math. Wochs Math. Wochs Math. Wochs Math. Math. Wochs Math. Math. Wochs Math. Math		1	1	MIMR		TBD	3611	BM			22 km :: Occan/Cryo	N/A :: Sfc
Star Let Conc. Multi-year 1100 MODIS AALPM Statement 1150 BN C-556;; C-556 1160y	Ватов	Sea Ice Conc	3167						5%::5%	11day	30 m :: Ocean/Cryo	ofs :: VIN
Sea Let Conc. Multi-year 1104		1	·	ASTER		Welch	3152	BM			90 m :: Ocean/Cryo	3)S :: Y/N
State Leads State Leads State Stat	Baron	Sea Ice Conc	28/2						5%::5%	IIday	10 km :: Ocean/Cryo	ofs :: VIN
Auto				MODIS		Salomonson	3153	BM	<=5% :: <=5%	1/day, 1/wk, 1/mo	10 km :: Ocean/Cryo	N/A :: Sfc
Sea Let Conc. Multi-year	_		ı _	AIRS		Chedin, Staelin	3151*	¥	0.1 :: 0.1	2/day [d,n]	50 km :: Ocean/Cryo	ojs :: V/N
Star Let Cone, Multi-year 1773				ASTER		Welch	3152	¥			90 m :: Ocean/Cryo	N/A :: Sfc
NIMBR PM TBD 369 BM TIGO	Barron	Sea Ice Conc. Mutti-year	3173							l/day	100 km :: Ocean/Cryo	NIA :: Sfc
See Lee Entered 1174				MIMR		TBD	3609	BM			22 km :: Ocean/Cryo	:: Stc
Sea Jee Conc., Mulbi-year 3174 PMA TBD 360 BMA 1840			.	MIMR		OSL.	3611	BM BM			22 km :: Ocean/Cryo	N/A :: Sfc
NIGHT PM TBD 550 BM S6:25% Iddy Iddy	Barron	Sea Ice Conc. Multi-year	72.5				-			11day	10 km :: Ocean/Cryo	N/A :: Sfc
Sea Ice Enton 1100 Sea Ice Enton 1100 Sea Ice Enton 1100 Sea Ice Enton 1101 AIDAR Park Stormeron 1151 BM C=56; :-C56;			•	MIMR		TBD	3609	BM			22 km :: Ocean/Cryo	:: Sfc
Sea_Ice Extent 3100 AMPINIS AMPINIS Salementon 3151 BIAI c=54%;:c=54% Ilday, IlMs, Ilmo Ilday Ilday, Ilms, Ilmo Sea_Ice Extent 3101 MODIS AMPM Salementon 3151 BIAI c=54%;:c=54% Ilday, Ilms, Ilmo Sea_Ice Extent 3101 MODIS AMPM Salementon 3151 BIAI c=54%;:c=54% Ilday, Ilms, Ilmo MODIS AMPM Salementon 3151 BIAI c=54%;:c=54% Ilday, Ilms, Ilmo MODIS AMPM Salementon 3151 BIAI c=54%;:c=54% Ilday, Ilms, Ilmo ASTER AMIN TBD 3611 AM c=54%;:c=54% Ilday, Ilms, Ilmo ASTER AMIN Weekh 3611 AM c=54%;:c=54% Ilday, Ilms, Ilmo Sea_Jce Extent 316 AM c=54%;:c=64% Ilday, Ilms, Ilmo Ilday Ilday ASTER AMIN Weekh 3612 BM c=54%;:c=64% Ilday, Ilms, Ilmo ASTER				MIMR		TBD	3611	BM			22 km :: Ocean/Cryo	N/A :: Sfc
MODIS AM,PM Submonton 3153 BM C=5% :: 5% 1/day, 1/brk, 1/fmo	Barron	Sea Ice Extent	3160						5% :: 5%	1/day	100 km :: Ocean/Cryo	N/A :: Sfc
Sea_Ice Extent 3161 MADN TBD 3613 BM c=3%::3% 1/Lay. JMC MODIS AMPM TBD 3613 BM c=3%::c=5% 1/Lay. 1/ML ASTER AMIS PM TBD 3613 BM c=3%::c=5% 1/Lay. 1/ML ASTER AMIS Weeh 3611 BM c=3%::c=5% 1/Lay. 1/ML ASTER AMIS Weeh 3612 BM c>3%::c=5% 1/Lay. 1/ML ASTER AMIP Weeh 3612 BM c>3%::c=5% 1/Lay. 1/ML ASTER AMIP Meown. Barron 2232 BM 0.3.06K::c:01.03K 1/Lay. <td></td> <td>1</td> <th>•</th> <td>MODIS</td> <td>Г</td> <td>Salomonson</td> <td>3153</td> <td>BM</td> <td><=5%:: <=5%</td> <td>1/day, 1/wk, 1/mo</td> <td>10 km :: Ocean/Cryo</td> <td>N/A :: Sfc</td>		1	•	MODIS	Г	Salomonson	3153	BM	<=5%:: <=5%	1/day, 1/wk, 1/mo	10 km :: Ocean/Cryo	N/A :: Sfc
Sea [ce Extent 3161 MODIS AMPM Salamonton 3151 BM cc5%::c5% 1/day, 1Ark, 1/mo MODIS AM,PM Salamonton 3153 BM cc5%::c5% 1/day, 1Ark, 1/mo MODIS AM,PM Salamonton 3151 AM cc5%::c5% 1/day, 1Ark, 1/mo Sea [ce Leads 3166 AM TBD AM cc5%::c5% 1/day, 1Ark, 1/mo Sea [ce Leads 3166 AM ASTER AMI Weeh 3612 BM cc5%::5% 1/day, 1Ark, 1/mo Sea [ce Leads 3166 AM TBD AM cc5%::5% 1/day, 1Ark, 1/mo Sea [ce Leads 3166 AM Check 3612 BM cc5%::5% 1/day ASTER AMI Weeh 3612 BM cc5%::5% 1/day 1/day Sea [ce Leads 3168 AM cc5%::5% 1/day 1/day 1/day Sea [ce Leads 3168 AM cc5%::5% 1/day 1/day				MIMR		TBD	3613	BM			22 km :: Ocean/Cryo	N/A :: Sfc
NODIS AM,PM Salomonson 3151 BM C=5% ::C=5% 1/day, 1/akt, 1/mo	Ватон	Sea Ice Extent	3161						5% :: 5%	1/day	10 km :: OceanCryo	N/A :: Sfc
NOIS		1	•	MODIS		Salomonson	3153	BM	<=5%:: <=5%	1/day, 1/wk, 1/mo	10 km :: Ocean/Cryo	N/A :: Sfc
Sea				MIMR		TBD	3613	BM			22 km :: Occan/Cryo	N/A :: Sfc
Sea_Ice Leads 3166 AZTER AMIN PMM TBD 361 AM 556.:5% IIday Sea_gC Temperature (SST) 2506 ASTER AMIN Weekh 3622 BM 0.3-04K::01-06K IIday IIday Sea_gC Temperature (SST) 2506 ANDIS AM_PM Brown, Barton 2532 BM 0.3-04K::01-06K IIday, Ilwk, Ilmo AIRS PM Chedin, Peming, 2522* BM 0.3-04K::01-05K I/day, Ilwk, Ilmo MODIS AM_PM Brown, Barton 2531 AM 0.3-04K::01-03K I/day, Ilwk, Ilmo Sea_gC Temperature (SST) AM_PM Brown, Barton 2533 AM 0.3-04K::01-03K I/day, Ilwk, Ilmo MODIS AM_PM Brown, Barton 2529 BM 0.3-04K::01-03K I/day, Ilwk, Ilmo MODIS AM_PM Brown, Barton 2529 BM 0.3-04K::01-03K I/day, Ilwk, Ilmo MODIS AM_PM Brown, Barton 2529 BM 0.3-04K::01-03K I/day, Ilwk, Ilmo			•	MODIS		Salomonson	3154	ΨV	<=5% :: <=5%	1/day, 1/wk, 1/mo	1 km :: Ocean/Cryo,R	N/A :: Sfc
Sea_IceLeads 3166 ASTER AMI Welch 3617 BM 5%::5% 11day Sea_3fCTemperature (SST) 2306 ASTER AMIPM Welch 3622 BM 0.3 K::: 11day 11day Sea_3fCTemperature (SST) 2306 AMIPM Brown, Barton 2232 BM 0.3-0.4K:::0.10.6K 1/day, 1/wk, 1/mo 1/day ANDIS AM_PM Brown, Barton 2531 AM 0.3-0.6K:::0.10.3K 1/day, 1/wk, 1/mo 1/day, 1/wk, 1/mo Sea_3fCTemperature (SST) AMIDMS AM_PM Brown, Barton 2531 AM 0.3-0.6K:::0.10.3K 1/day, 1/wk, 1/mo Sea_3fCTemperature (SST) AMODIS AM_PM Brown, Barton 2539 AM 0.3-0.6K:::0.10.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2529 BM 0.3-0.6K:::0.10.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2529 AM 0.3-0.6K:::0.10.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2539				MIMR		TBD	3611	AM			22 km :: Ocean/Cryo	N/A:: Sfc
Sea_stC Temperature (SST) 2506 ASTER AMP Weehn 36.17 BM 0.3 K :: Ilday Sea_stC Temperature (SST) 2506 MODIS AM,PM Brown, Barron 2523 BM 0.3 -04K :: 0.1-0.6K 1/day, 1/wk, 1/mo MODIS AM,PM Brown, Barron 2528 AM 0.3 -04K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM,PM Brown, Barron 2528 AM 0.3 -06K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM,PM Brown, Barron 2531 AM 0.3 -06K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM,PM Brown, Barron 2529 BM 0.3 -06K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM,PM Brown, Barron 2529 BM 0.3 -06K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM,PM Brown, Barron 2529 BM 0.3 -06K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM,PM Brown, Barron 2529 BM 0.3 -06K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM,P	Barron	Sea Ice Leads	3166						5% :: 5%	11day	100 km :: OceanCryo	NIA :: Sfc
Sea of Temperature (SST) 2506 ANTER AMIPM Brown, Barton 2525 BM 0.5 K :: 1/day AIRS PM Chedin, Peming, 222* BM 0.5-1 K :: 0.4-0.5 K 2/day [J.nk, 1/mo AIRS PM Chedin, Peming, 222* BM 0.5-1 K :: 0.4-0.5 K 2/day [J.nk, 1/mo MODIS AM_PM Brown, Barton 2572 AM 0.3-0.6K :: 0.1-0.3 K 1/day, 1/nk, 1/mo MODIS AM_PM Brown, Barton 2573 AM 0.3-0.6K :: 0.1-0.3 K 1/day, 1/nk, 1/mo MODIS AM_PM Brown, Barton 2579 BM 0.3-0.6K :: 0.1-0.3 K 1/day, 1/nk, 1/mo MODIS AM_PM Brown, Barton 2529 BM 0.3-0.6K :: 0.1-0.3 K 1/day, 1/nk, 1/mo MODIS AM_PM Brown, Barton 2529 AM 0.3-0.6K :: 0.1-0.3 K 1/day, 1/nk, 1/mo MODIS AM_PM Brown, Barton 2528 AM 0.3-0.6K :: 0.1-0.3 K 1/day, 1/nk, 1/mo MODIS AM_PM Silomonson 2528 AM				ASTER	Γ	Welch	3617	BM			90 m :: Ocean/Cryo	N/A :: Sfc
Sea_sfc Temperature (SST) 2506 MODIS AM_PM Brown, Barton 2522 BM 0.3-0.4K :: 0.1-0.6K 1/day, 1/wk, 1/mo AIRS PM Chedin, Pleming, 2523* BM 0.3-0.6K :: 0.1-0.5K 2/day (dar) MODIS AM_PM Brown, Barton 2528 AM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2523 AM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 253 AM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo Sca gC Temperature (SST) 2507 AM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2529 BM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2529 BM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2529 AM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2529 AM <td< td=""><td></td><td></td><th></th><td>ASTER</td><td></td><td>Welch</td><td>3622</td><td>BM</td><td></td><td></td><td>90 т :: Осевц/Сгуо</td><td>N/A :: Sfc</td></td<>				ASTER		Welch	3622	BM			90 т :: Осевц/Сгуо	N/A :: Sfc
MODIS	Rarros	Sea stc Temperature (SST)	2506						0.5 K ::	IIday	100 km :: Ocean	NIA :: Sfc
AIRS PM Chedin, Fleming, 2523° BM 0.5.1 K.:: 0.4.0.5 K 2/day [d.n.]				MODIS	AM,PM	Brown, Barton	2532	BM	0.3-0.4K :: 0.1-0.6K	1/day, 1/wk, 1/mo	50 km :: Ocean	N/A :: Sfc
MODIS AM_PM Brown, Barton 2538 AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2531 AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wk, 1/mo Sea_sfc Tempordare (SST) 2507 MODIS AM_PM Brown 2529 BM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2529 BM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2529 BM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2529 AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2539 AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2531 AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Salomoraton 2530 BM <-3.6.: 5.5				AIRS	M	Chedin, Fleming.	_	BM	0.5 - 1 K :: 0.4 - 0.5 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc
MODIS AM.PM Brown, Barton 2531 AM 0.3-0.6K::0.1-0.3K 1/day, 1/wk, 1/mo				MODIS	AM,PM	Brown	2528	Ą	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
Sea sfc Temporature (SST) 2507 MADDIS AAMPM Brown 2529 BM 0.5 K ::: 1/day MODIS AAMPM Brown, Barton 2529 BM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AAMPM Brown, Barton 2539 BM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AAMPM Brown, Barton 2539 AAM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AAMPM Brown, Barton 2531 AAM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AAMPM Salomoraton 2531 AAM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AAMPM Salomoraton 2531 AAM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AAMPM Salomoraton 2540 BAM <-556				MODIS	AM,PM	Brown, Barton	2531	¥	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
Sea afc Temporative (SST) 2507 AM.PM Brown 2529 BM 0.3-0.6K:::0.1-0.3K 1/day 1/day MODIS AM.PM Berown, Barton 2539 BM 0.3-0.6K:::0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM.PM Berown, Barton 2530 BM 0.3-0.6K:::0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM.PM Brown, Barton 2531 AM 0.3-0.6K:::0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM.PM Berown, Barton 2531 AM 0.3-0.6K:::0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM.PM Salomoraton 2531 AM 0.3-0.6K:::0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM.PM Salomoraton 250. BM <-5%::<-5%				MIMR	PM	TBD	3603	AM			60 km :: Ocean	N/A :: Sfc
MODIS AM-PM Brown, Barton 2529 BM 03-06K::01-03K 1/day, 1/wk, 1/mo MODIS AM-PM Brown, Barton 2530 BM 03-06K::01-03K 1/day, 1/wk, 1/mo MODIS AM-PM Brown, Barton 2528 AM 03-06K::01-03K 1/day, 1/wk, 1/mo Snow Cover 3003 AM-PM Brown, Barton 2531 AM 03-06K::01-03K 1/day, 1/wk, 1/mo MODIS AM-PM Salomoraton 2531 AM 03-06K::01-03K 1/day MODIS AM-PM Salomoraton 3020 BM <-5%::<5%	Barron	Sea sfc Temperaire (SST)	2507						0.5 K ::	Ilday	10 km :: Ocean/R	NIA :: Sfc
MODIS AM.PM Berwin, Barton 2530 BM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo				MODIS	AM,PM	Вгочт	2529	BM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	4 km :: Ocean/R,L	N/A :: Sfc
MODIS AM_PM Brown 2528 AM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Brown, Barton 2531 AM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM_PM Salomonson 3020 BM <=5% :: <=5%				MODIS	AM,PM	Brown, Barton	2530	BM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	4 km :: Ocean/R.L	N/A :: Sfc
Snow Cover 3003 AM,PM Brown, Barton 2531 AM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo MODIS AM,PM Salomonson 3007 BM <=5% :: <=5%				MODIS	AM,PM	Brown	2528	¥	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
Snow Cover 3003 AM,PM Salomonson 3020 BM <=5% :: <=5% 1/day, 1/wk 1/day, 1/wk MDMR PM TBD 3607 BM <=5% :: <=5%				MODIS	AM,PM	Brown, Barton	2531	AM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
MODIS AM,PM Salomonson 3020 BM <=5% 1/day, 1/wk MIMR PM TBD 3667 BM <=5%	Barron	Snow Cover	3003						5% :: 5%	1/day	100 km :: Land	N/A :: Sfc
PM TBD 3607 BM 2/day [d.n.]				MODIS	AM,PM	Salomonson	3020	BM	<=5%::<=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc
DM Steelin 20180 AM				MIMR	PM	TBD	3607	BM			22 km :: Land	N/A :: Sfc
FM Strein S010 AM				AIRS	PM	Staelin	3018	AM		2/day [d,n]	50 km :: Land	N/A:: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

igator	Product Name	Description	2	DIEM DELLE	ESS THE MILETIN COUPER DATA FTOGUCE	LOGOCI		Accuracy	Lemporal	Horizontal	Vertical	
		3	Instr.	Platforms	Investigator	Prod # Match	Tetch	Abs :: Ref	Resolution	Resol Cover	Deepl Course	_
	Snow Cover	3004			3000			5% :: 5%	Ildav	30 m :: Land!	NAME COVET.	T
			ASTER	AMı	Welch	3624	BM			90 m :: Ocean/Cryo	N/A :: Sfc	_
			HIRIS	AM2	Dozier	3019	BM	5%:: 2%	1/wk, 1/mo	50 m :: Cryo/L	N/A :: Sfc	T
	Snow Cova	3005						5% :: 5%	1/day	10 km :: LandiR	NIA :: Sfc	_
			MODIS	AM,PM	Salomonson	3020	EM.	<=5%::<=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc	_
DOTTON S	Soil Composition	2794						10% :: 5%	I/mission	100 km :: Land	NIA :: Sfc	Т
			ASTER		Kahle, Gillespie	2803	BM		50 maps/mission	90 m :: Land/R.L	N/A:: Sfc	ī
			ASTER		Gillespie	2801	Ą		50 scenes/mission	15 m :: Land/R.L	N/A :: Sfc	I
			MODIS	AM,PM	Huete	2095	¥¥	10% :: 5%	1/mo	I km:: Land/R	N/A :: Sfc	1
Barron	Soil Composition	2795						10%::5%	I/mission	30 m :: Land/L	NIA :: Sfc	Т
			ASTER	AM1	Kahle, Gillespie	2803*	ВМ		50 meps/mission	90 mt :: Land/R,L	N/A :: Sfc	1
			HIRIS	AM2	Rowan, Clark	2766	₩.	10%:: 5%	1/seas	30 m :: Land/L	N/A :: Sfc	
			HIRIS	AM2	Rowen, Clark	2772	ΑM	10%:: 5%	1/scas	30 m :: Land/L	N/A :: Sfc	_
			HIRIS	AM2	Rowan, Clark	27.76	Ψ	10% :: 5%	1/scas	30 m :: Land/L	N/A :: Sfc	
			HIRIS		Rowm, Clark	2784	AM	10% :: 5%	1/scas	30 m:: Land/L	N/A :: Sfc	
			ASTER	AMI	Gillespie	2801	VΜ		50 scenes/mission	15 m :: Land/R,L	N/A :: Sfc	T
Barron	Soil Composition	2796						10%::5%	I/mission	10 kmmil Landi R	NIA :: Sfc	Т
		*	ASTER	AMI	Kahle, Gillespie	2803•	BM		50 maps/mission	90 m :: Land/R.L	N/A :: Sfc	T
		4	MODIS	AM,PM	Huete	\dashv	AM-	10% :: 5%	1/то	1 km :: Land/R	N/A :: Sfc	1
		- 4	MODIS	AM,PM	Huete		AM.	5%:: 5%	1/то	1 km :: Land/R	N/A :: Sfc	ī
			ASTER	νW1	Gillespie	1087	VΜ		50 scenes/mission	15 m :: Land/R,L	N/A :: Sfc	1
Barron S	Soil Extent	2797						57::58	1/4	100 km :: Land	NIA :: Sfe	Т
			MODIS	AM,PM	Strahler, Huete et	2670	BM	10%:: 5%	1/mo, 1/scas	5 km :: Land	N/A :: Sfc	T
			ASTER	AM1	Kahle, Gillespie	2803•	AM		50 maps/mission	90 m :: Land/R.L	N/A :: Sfc	П
			ASTER	AMI	Gillespie	2801	ΑM		50 scenes/mission	15 m :: Land/R,L	N/A :: Sfc	1
Barron	Soil Extent	2798						57::57	A//	10 km :: LandiR	N/A :: Sfc	Т
		•	MODIS	AM,PM	Strahler, Huete et	2670	BM	10%:: 5%	1/mo, 1/seas	5 km :: Land	N/A :: Sfc	1
		•	ASTER	AMI	Kahle, Gillespie	2803•	₩		50 maps/mission	90 m :: Land/R,L	N/A :: Sfc	1
			ASTER	νWΙ	Gillespie	2801	ΨV		50 scenes/mission	15 m :: Land/R,L	N/A :: Sfc	
Barron	Soil Extent	2799						57::57	1/3	30 m 1: Landil.	NIA :: Sfc	П
			ASTER	AMI	Kahle, Gillespie	2803•	BM		50 maps/mission	90 m :: Land/R,L	N/A :: Sfc	i -
			ASTER	AMI	Gillespie	7801	BM		50 scenes/mission	15 m :: Land/R,L	N/A :: Sfc	
			HIRIS	AM2	Wessman	2644	ΨV	10%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	_
Barron	Soil Moisture	2946						0.05 :: 0.02	11day	10 km :: LandiR	NIA :: Sfc	Г
			MIMR	PM	TBD	3605	EM.			60 km :: Land	N/A :: Sfc	
Barron	Soil Moisture	2947						0.05 :: 0.02	IIday	100 km :: Land	NIA :: Sfc	_
			MIMR	Md	TBD	3605	BM			60 km :: Land	N/A :: Sfc	
Barron	Soil Proportion, Bare	2785					*	5 :: 5	llseas	10 Mist Land/R	WIA :: Sfe	
			MODIS	AM,PM	Strahler, Huete et	28.70	BM	10%:: 5%	1/mo, 1/scas	5 km :: Land	N/A :: Sfc	
			ASTER	AM1	Kahle, Gillespie	2803	₹		50 maps/mission	90 m :: Land/R,L	N/A :: Sfc	
Barron	Soil Proportion, Bare	2786						5::5	llseas	100 tm :: Land	NIA :: Sfc	
		•	MODIS	AM,PM	Strahler, Huete et	2670	BM	10%:: 5%	1/mo, 1/scas	5 km :: Land	N/A :: Sfc	
			ASTER	AMI	Kahle, Gillespie	2803	₹		50 maps/mission	90 trf :: Land/R;L	N/A :: Sfc	
Barron	Soil Proportion, Bare	2787						5::5	liseas	30 m :: LandlL	NIA :: Sfc	
			HIRIS		Ustin, Wessman	2741	BM	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	_
		•	ASTER		Gillespie	2801	WY :		50 scenes/mission	15 m :: Land/R,L	N/A :: Sfc	$\neg \tau$
			HIRIS	AM2	Ustin et al	2746	ΣĮ	20% :: 10%	1/(2-16 day)	30 m :: Lend/L	N/A :: Sfc	\neg

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

		_	1	ECS Instrument	I Cutput Data Product	125	_				
Investigator	Product Name	Prod #	Instr.	Platforms	Investigator	Prod # Match	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
1	Soil Proportion, Bare	2787	HIRIS		Wessman	2644	¥	10% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
	Suspended-Solids Conc. Lake Water	2804						25%::		10 km :: LandiR-Lakes	NIA :: Sfc
			HIRIS	AM2	Carder, Melack	3315	BM	100% :: 50%	(>=2)/day	30-90 m :: Ocean/L+Land/Lakes	N/A:: TOO
Ватом	Temperature Profile	1564						1 K :: 05 K	(ap)	100 km :: G	l km :: Trop
	•		AIRS	M	Chedin, Fleming,	1588	BM	1.0 K :: 0.4 K	2/day [d,n]	15 x 50 - 50 x 50 km :: G	1,2 km :: Atmos
Ватон	Temperature Profile	1565						1 K :: 0.5 K	Kop/I	10 km :: R	I km :: Trop
	•		AIRS	M	Chedin, Fleming,	1588	BM	1.0 K :: 0.4 K	[d,b] yeb/2	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos
			TES	CHEM	Bear	1614	ΨV	:: 2 K	1/(16 day)	16 x 5 km :: G	1 km, 4-6 km :: 0-12 km
Rarros	Temperature, Near sic	1566						0.5 ::	l/day	100 km :: Ocean	N/A :: 5/c
	6-		AIRS	M	Chedin, Pleming.	1588	BM	1.0 K :: 0.4 K	2/day [d,n]	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos
Possos	Tomonto dans de	\$957						0.5 ::	l/day	10 km :: Ocean/R	NIA :: Sfc
#10#	ו בשלים מייח כ' ואנית "אני	3	AIRS	M	Gedin Femine	1588	Æ	1.0 K :: 0.4 K	2/day [d.n]	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos
	A 1 - 1 - 1 - 1 - 1	1835			6				//mission	10 km : LandiR	30 m :: Sfc
Ватом	I opographic Elevation, Lana Sc	6707	MICD	77	1	2846	Ma	100 m :: 100 m	1 Amission	S00 m :: Land	N/A :: Sfe
			MUSK	E C	Dunca	2				200	20
Barron	Topographic Elevation, Land_sfc	2824				3	1	00	IIIIIIII	30 m :: Landle	30 m .: 3/c
			ASIEK	AMI	Kahle, JGI	2797	EM EM	™ 06< :: ■ 06<	1/mission	I S III :: I STANDAN	JII .: 111 OC
Barron	Vegetation Biomass, Dead	2612						25%:: 15%	Ilmission	30 m :: L	N/A :: Sfc
			HIRIS	AM2	Ustin, Wessman	2614	BM	30% :: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Ватоя	Vegetation Biomass, Dead	2613						25% :: 15%	I/mission	10 km :: R	N/A :: Sfc
	•		HIRIS	AM2	Ustin, Wessman	2614	BM	30% :: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Barros	Veretation Biomats, Green	2615						25%:: 15%	I/mission	30 m :: L	NIA :: Sfc
		_	HIRIS	AM2	Ustin, Wessman	2620	BM	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Barron	Veretation Biomass, Green	2616						25% :: 15%	I/mission	10 km :: R	N/A :: 5/c
			HIRIS	AM2	Ustin, Wessman	2620	BM	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Ватон	Vereinion Extent	27.15						57::57	11)	30 m :: Land/L	N/A :: Sfc
			HIRIS	AM2	Ustin, Wessman	2741	BM	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Ватон	Vegetation Extent	2716						57::57	1/3	10 km :: LandiR	N/A :: Sfc
	•	_	SIGOM	AM,PM	Strahler, Huete et		EM EM	10%:: 5%	1/mo, 1/scas	5 km :: Land	N/A :: Sfc
		_	MODIS	AM,PM	Justice, Hucte et a	2749	Æ	0.01 :: 0.01	1/day, 1/wk, 1/mo	10 km :: Land	N/A :: Sfc
			MODIS	AM,PM	Strahler, Huete et	5992	AM	10% :: 5%	1/mo, 1/scas	1 km :: Land	N/A :: Sfc
Ватон	Vegetation Extent	27.17						52::52	11/9	100 km :: Land	NIA :: Sfc
			MODIS	AM,PM	Strahler, Huete et		BM	10% :: 5%	1/mo, 1/scas	Skm:: Land	N/A :: Sfc
			MODIS	AM,PM	Justice, Hucte et 1	2749	BM	0.01 :: 0.01	1/day, 1/wk, 1/mo	10 km :: Land	N/A :: Sfc
Barron	Veretation Index. Leaf Area, (LAI)	2673						0.5 :: 0.2	11day	100 km :: Land	NIA :: Sfc
1			MODIS	AM,PM	Running	2680*	BM	0.1-0.25 :: 5-20%	1/day, 1/wk	pixel_size:: Land/G,R,L	N/A :: N/A
Rarros	Veseintion Index Led Area (LAI)	2674						0.5 :: 0.2	11day	10 km :: LandiR	NIA :: Sfc
.			MODIS	MA,PM	Ruming	2680*	BM	0.1-0.25 :: 5-20%	1/day, 1/wk	pixel_size :: Land/G,R,L	N/A :: N/A
Ronzon	Vessitation Index Leaf Area (LAI)	2675						0.5::0.2	1/day	30 m :: LandiL	NIA :: Sfc
5	() () () () () () () () () ()		MODIS	AM,PM	Ruming	2680	Æ	0.1-0.25 :: 5-20%	1/day, 1/wk	pixel_size :: Land/G,R,L	N/A :: N/A
			HIRIS	AM2	Ugin et al	2746	WV	20% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			ASTER	AMI	Gillespie	2747	M			15 m :: Land/R,L	N/A :: Sfc
Barron	Vesetation Structure	2639							l/seas	30 m :: LandiL	NIA :: Sfc
			HIRIS	AM2	Ustin	2656	WV	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			HIRIS	AM2	Ustin	2657	VΨ	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Rarros	Vesetation Structure	2640			_				liseas	10 km :: LandIR	N/A :: Sfc
<u>.</u>			HIRIS	AM2	Usin	2656	Ψ¥	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			11010	CATA	10:1	1376	N	2000 2007	1/7.16 day)	30 - 1 - 1	20 1111

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Proof # Instr. Platforms Investigator Proof # Match 2640	IDS Input Data Product	oduct	EC	EOS Instrument	ent Outnut Data Product	Product	-	Accusaci	Tomorano	11 1	
Vigetation Type 1728	<u>-</u>		Instr	Platforms	Investigator	Prod #	Match	Abe :: Dol	Despiration	TO LOCALIZATION OF THE PROPERTY OF THE PROPERT	Vertical
Vigation Type Total		4000	L	_		*	INTERICE	A0S :: Kel	Kesolution	Resol :: Cover.	Resol :: Cover.
MODIS AMP Studies 1240 BM		0407	HIKIS		Ustin, Wessman	2741	ΨV	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Wind Velecity, Sea_9fc 1003 AM_PM Smaler, Hence of 200 BM		8272						\$7::57	1/4	10 km :: LandiR	N/A :: Sfc
WOUSS			MODIS	T	Strahler, Huete et		BM	10%:: 5%	1/mo, 1/seas	5 km :: Land	N/A :: Sfc
Wind Velocity, See 96 1631 HIRIS AMJ Weamman 2644 AM			MODIS		Strahler, Huete et		₩	10%:: 5%	1/mo, 1/scns	1 km :: Land	N/A :: Sfc
Wind Vigetation Type 2730 HIRIS AAJD Westernen 2644 BM			HIRIS		Wessman	2644	₩.	10% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfe
HIRIS AM2 Westman 2644 BM		2729						57:::57	*//	30 m :: Landil	NIA :: Sfc
Wigetation Type Boundaries 2739 HIRIS AMAP Strather, throne 2640 BM			HIRIS	AM2	Wessman	2644	BM	10% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
MODIS AMP Strabe, these of 2670 BM		2730						57::57	*//	100 km :: Land	N/A S.f.
HIRIS AMZ Westman 2744 BM			MODIS	AM,PM	Strahler, Huete a	2670	Æ	10% :: 5%	1/mo, 1/seas	Skm:: Land	N/A · Sfc
HIRIS AM2 Westman 2944 BM								30 m ∷	11/3 2903	10 m ·· I cadil	NIA CC
HRIS AM2 Uein et al 2746 AM			HIRIS	AM2	Wessman	264	BM	10%:: 10%	1/(2-16 dav)	30 m :: Land/I.	N/A Sfr
Mind Velocip, Sea_gfc 1637 STIESCAT CHEM Freiich 1680 BM 1/1			HIRIS		Ustin et al	2746	¥	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Wind Velocity, Sea_9fc 1637 STIRSCAT CHEM Freilich 1659 BM 1.			ASTER		Gillespie	2747	¥			15 m: Land/R.L	N/A :: Sfc
STIKSCAT CHEM Prelich 1650 BM 15		1653						I m/s,? .: I m/s,?	11day	10 km :: OceanR	N/A :: Sfe
Wind Velocity, Sea_sf¢ 1637 STINSCAT CHEM Freilich 1630 AM			STIKSCAT		Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near Sfc
STIKSCAT CHEM Fellich 1679 BM		1657						I m/s,? :: I m/s,?	11day	100 lm :: Ocean	N/A :: S/c
STIKSCAT CHEM Treilich 1680 AM			STIKSCAT		Freilich	6291	BA	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near Sfe
Acrosol Layer Boundary Height 1013 GIRS-A ALT Spinthme et al 1014 BM			STIKSCAT		Freilich	1680	₩	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near Sfc
Cloud Cover, Cirrus 2009 CRRS TRM, AM, PM Bartstrom 2007 CRRS TRM, AM, PM Bartstrom 2007 CRRS TRM, AM, PM Bartstrom 2008 AM CRRS						1		75 m ::		2-200 km :: G	75 m :: Atmos
MISR			GLRS-A		Spinhime et al	1014	BM	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Atmos
MISR		6101						:: 20%	11(5-16 day)	15.4 km :: G	Column :: Atmos
MISR AM Direct 3678 BM			MISR		Diner	1993	BM	15%:: 10%	1/(S-16 day) [d]	15.4 km :: G	Column :: Atmos
MODIS AM_PM Tare, Kaufman 1022 AM			MISR		Diner	3678	BM	15%:: 10%	9,16 day; mo; seas; yr	15.4 km ? :: G	Column :: Atmos
Address 1005 SAGE-III AERO, CHEM MacCormick 1012 BM			MODIS		Tarre, Kaufman	1022	ΑM	10.30% :: 10%	1/day,1/mo	0.5 dg :: G,R	N/A :: Atmos
Albedo, Land_sfc 1995 BM		1005							11(1-3 day) [few day]	100 km :: G	I km :: Atmos
HIRDLS CHEM Barnett, Gille 1992 BM			SAGE-III	AERO, CHEM	McCormick	1012	BM	5%:: 5%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 0-40 km
Albedo, Land_3fc 1995 AlBS PM Gautier 77 2000 BM MODIS AM-PM Muller, Strahler 2001 AM MODIS AM-PM Tarre, Muller 2016 AM CERES TRM,AM,PM Bartsarom 2087 BM CERES TRM,AM,PM Bartsarom 2087 AM MODIS AM-PM King 2082 AM CERES TRM,AM,PM Bartsarom 2088 BM CERES TRM,AM,PM Bartsarom 2081 BM CERES TRM,AM,PM Bartsarom 2082 BM CERES TRM,AM,PM Bartsarom 2083 BM CERES TRM,AM,PM Bartsarom 2081 BM CERES TRM,AM,PM Bartsarom 2082 AM GLRS-A ALT Spinblime 1400 AM MODIS AM,PM King 2082 AM GLRS-A ALT Spinblime 1400 AM MODIS AM,PM King 2082 AM GLRS-A ALT Spinblime 1400 AM MODIS AM,PM King 2082 AM GLRS-A ALT Spinblime 1400 AM MODIS AM,PM King 2082 AM GLRS-A ALT Spinblime 1400 AM MODIS AM,PM King 2082 AM GLRS-A ALT Spinblime 2083 AM CERES TRM,AM,PM Bartsarom 2083 AM CERES TRM,AM,PM CERES 2000 2000 CERES TRM,AM,PM 2003 AM CERES 2000 2000 2000 2000 CERES 2000 2000 2000 2000 2000 CERES 2000 2000 2000 2000 2000 CERES 2000 2000 2000 2000 2000 2000 CERES			HIRDLS		Barnett, Gille	1992	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-30 km
AJRS PM Gautier 77 2000 BM MODIS AM-PM Muller, Strahler 2001 AM MODIS AM-PM Tarre, Muller 2016 AM CERES TRM,AM,PM Barkstrom 2087 AM CERES TRM,AM,PM Barkstrom 2088 AM CERES TRM,AM,PM Barkstrom 2088 AM CERES TRM,AM,PM Barkstrom 2082 AM CERES TRM,AM,PM Barkstrom 2082 AM CERES TRM,AM,PM Barkstrom 2082 BM CERES TRM,AM,PM Barkstrom 2082 AM CERES TRM,AM,PM Barkstrom 2083 BM CERES TRM,AM,PM Barkstrom 2083 AM CIOAD COVE, Cirrus 2069 CIRS-A ALT Spinblime 1400 AM MODIS AM,PM King 2082 AM MODIS AM,PM King 2082 AM CERES TRM,AM,PM Barkstrom 2083 AM CERES TRM,AM,PM CAN CAN CERES TRM,AM,PM Barkstrom 2083 AM CERES TRM,AM,PM CAN CAN CERES TRM,AM,PM Barkstrom 2083 AM CERES TRM,AM,PM CAN CAN COM COVE, CIPTUR CAN CAN CERES CAN CAN CAN CERES CAN CAN CAN CERES CAN CAN CAN CERES CAN CAN CAN CAN CAN CERES CAN CAN CAN CAN CAN CERES CAN CAN CAN CAN CAN CAN CERES CAN CAN CAN CAN CAN CAN CAN CERES CAN CAN CAN CAN CAN CAN CAN CAN CAN		\$661							11day	50 km :: Land	N/A :: Sfc
MODIS AM_PM Terre, Multer, Strather 2001 AM			AIRS		Gautier ??	20004	Æ		1/day	50 km :: Land	N/A :: Sfe
MODIS AM, PM Turre, Multer 2016* AM		_	MODIS		Muller, Strahler	2001	AM	10%:: 5%	1/(3-8 day)	1 km :: Land/R	NA:: TOA
Cloud Cover 2073 CERES TRM,AM,PM Bartstrom 2087 BM			MODIS		Tarre, Muller	2016	ΑM	15% :: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A :: Sfc
CERES TRM,AM,PM Bartstrom 2086 AM		2073						:: 10%	11(6 hr)	1 x 1 dg :: G	N/A :: Cloud
CERES TRM,AM,PM Bartstrom 2086 AM MODIS AM,PM King 2082 AM CERES TRM,AM,PM Bartstrom 2088 AM Cloud Cover, Cirrus 2069 CERES TRM,AM,PM Bartstrom 2088 BM Cloud Cover, Cirrus 2069 CERES TRM,AM,PM Bartstrom 2088 BM Cloud Cover, Cirrus 2069 CERES TRM,AM,PM Bartstrom 1410 AM Cloud Cover, Cirrus CERES TRM,AM,PM Bartstrom 1400 AM Cloud Cover, Cirrus CERES TRM,AM,PM Ring 2082 AM Cloud Cover, Cirrus CERES TRM,AM,PM Bartstrom 2088 AM Cloud Cover, Cirrus CERES TRM,AM,PM Bartstrom 2088 AM Cloud Cover, Cirrus CERES TRM,AM,PM Bartstrom 2088 AM Cloud Cover, Cirrus Cover, Cirrus COVER,PM CANhine, Chedin, 2062 AM Cloud Cover, Cirrus Cover, Cirrus Cover,PM CANhine, Chedin, 2062 AM Cloud Cover, Cirrus Cover, Cirrus Cover,PM CANhine, Chedin, 2062 AM Cloud Cover, Cirrus Cover, Cirrus Cover,PM Canhine, Chedin, 2062 AM Cloud Cover, Cirrus Cover,PM Canhine, Chedin, 2063 AM Cloud Cover			CERES	1	Barkstrom	2087	BM	5%:: 2%	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Atmos
Cloud Cover 2074			CERES	TRM,AM,PM	Barkstrom	2086	ΨV	5%:: 2%	6/day [d,n]	25 km :: G	N/A :: Atmos
Cloud Cover 2074 CERES TRM,AM,PM Barkstrom 2088 AM Cloud Cover, Cirrus 2007 MODIS AM,PM King 2082 BM Cloud Cover, Cirrus 2069 CERES TRM,AM,PM Barkstrom 2088 BM GLRS-A ALT Spinhtime 1410 AM GLRS-A ALT Spinhtime 1400 AM MODIS AM,PM King 2082 AM CERES TRM,AM,PM Ring 2082 AM AIRS PM Cahhine, Chedin, 2062 AM			MODIS	AM,PM	King	2082	Ą	10% :: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
Cloud Cover 2074 MODIS AM.PM King 2082 BM Cloud Cover, Cirrus 2069 TRM.AM.PM Bartstrom 2083 BM Cloud Cover, Cirrus 2069 GLRS-A A.I.T Spinhtime 1410 AM GLRS-A A.I.T Spinhtime 1400 AM MODIS A.M.PM King 2082 AM CERES TRM.AM.PM Ring 2082 AM A.IRS PM CWhite, Chedin, 2083 AM A.IRS PM CWhite, Chedin, 2062 AM			CERES		Barkstrom	2088	ΨV	5% :: 2%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
CIOLAL Cover, Cirrus 2009 TRM,AM,PM King 2009 BM Cloud Cover, Cirrus 2009 GLRS-A A.I.T Spinhtime 1410 AM GLRS-A A.I.T Spinhtime 1400 AM MODIS A.M.PM King 2002 AM CERES TRM,AM,PM Barkstrom 2003 AM CIPRS TRM,AM,PM Barkstrom 2003 AM CIPRS TRM,AM,PM Cabhine, Chedin, 2003 AM		2074						10% :: 5%	Ilday, Ilmo	1 dg :: G	N/A :: Cloud
Cloud Cover, Cirrus 2069 TRMAM,PM Bartstrom 2088 BM Cloud Cover, Cirrus 2069 GLRS-A ALT Spinhime 1410 AM GLRS-A ALT Spinhime 1400 AM MODIS AM-PM King 2082 AM CERES TRMA,AM,PM Bartstrom 2083 AM AIRS PM Carbine, Chedin, 2062 AM CLRS-A ATR Chabine, Chedin, 2062 AM			MODIS	\neg	King	2082	BM	10%:: 5%	1/фау, 1/то	1 dg :: G	N/A :: Cloud
Cloud Cover, Cirrus 2069 CLRS-A ALT Spinblime 1410 AM CLRS-A ALT Spinblime 1400 AM ADDIS AM-PM King 2082 AM ALT ALT AM-PM King 2082 AM ALT ALT			CERES	Ŧ	Barkstrom	2088	BM	5% :: 2%	1/day (Avg), 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
ALT Spinhime 1410 AM ALT Spinhime 1400 AM AM-PM King 2082 AM TRM-AM-PM Barkstom 2088 AM PM Chahire, Chedin, 2062 AM		5069							l/day	100 km :: G	0.5 km :: Trop
ALT Spinbline			GLRS-A	7	Spinhime	1410	W.	0.2 ::	1/(2-16 day)	1-10 km :: G	75m::
AM_PM King 2082 AM TRM_AM_PM Barkstom 2088 AM PM Chahire, Chedin, 2062 AM AM AM Chahire, Chedin, 2062 AM AM AM AM AM AM AM A			GLRS-A	7	Spinhime	1400	¥	75 m ::	1/(2-16 day)	.2-10 km :: G	75m::
TRM_AM_PM Barkstrom 2088 AM PM Chahine, Chedin, 2062 AM			MODIS	- 1	King	2082	ΨV	10%:: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
PM Chahine, Chedin, 2062 AM			SER	4	Barkstrom	2088	¥	5%:: 2%	1/day [Avg]. 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
			AIRS		Chahine, Chedin,	2062	¥	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
ALT Spinhime 2078 AM			GLRS-A	ALT	Spinhime	878	ΑM	1%:	1/(2-16 day)	10-200 km :: G	:: V/ V

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					4		A	-	11	W/ c 41 1
Investigator	Product Name	Prod #	Instr.	Platforms	Investigator Prod # Match	Prod # N	Match	Accuracy Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
1	Cloud Cover, Cirrus	2022						0.05 :: 0.025	2/day [d.n]	15x45 km :: G	N/A :: Cloud
			GLRSA	ALT	Soinhime	1410	¥	0.2 ::	1/(2-16 dav)	1-10 km :: G	75 m ::
			GLRS-A		Spinhime	1400	AM	75 m ::	1/(2-16 day)	.2-10 km :: G	75 m ::
		•	AIRS		Chahine, Chedin,	2062	₩	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
		•	MODIS	AM,PM	King	2081	ΑM	10%:: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud
		•	CERES	TRM,AM,PM	Barfustrom	2086	¥	5% :: 2%	(day [d.n]	25 km :: G	N/A :: Atmos
			GLRS-A	ALT	Spinhime	2078	ΑM	1%::	1/(2-16 day)	10-200 km :: G	N/A ::
Bates	Cloud Drop Phase	1759							Ilday, Ilmo	D:: 8p 1	N/A :: Cloud
	•		MODIS	AM,PM	King, Menzel	1765	BM	90% Conf :: 90% Conf	1/day, 1/mo	148:6	N/A:: Cloud
		•	CERES	TRM, PM	Barkstrom	1767	Æ	90% Conf :: 90% Conf	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
			CERES	_	Barkstrom	1769	Æ	90% Conf :: 90% Conf	1/(e hr.)	1.25 x 1.25 dg :: G	N/A :: Atmos
	•		EOSP		Travis	1770	AM	:: 95% Соп	1/day [d]	100 km :: G	N/A :: Cloud
Bates	Cloud Drop Size(Effective Radius)	1111		3.50			L	0-40% :: 5%	Ilday, Ilmo	1 dg :: G	N/A :: Cloud
			MODIS	AM,PM	King, Menzel	1781	BM	040% :: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
			CERES	TRM,AM,PM	Barkstrom	1783	BM	30% :: 10%	1 klay [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
			EOSP	1	Travis	1774	₩	25% :: 25%	1/day (d)	100 km :: G	N/A :: Cloud
Bates	Cloud Height, Base	1383						:: 100 mb		25 km :: G	100 mb :: Cloud
			CERES	TRM,AM,PM	Barkstrom	1393	BM	1.0 km :: 0.1 km	(n,b) yeb/8	25 km :: G	0.1 km :: Atmos
			GLRS-A		Spinhime et al	1389	¥	75m::	1/(2-16 day)	.2-100 km :: G	75 m :: Cloud
Rates	Cloud Height, Bace	1384						100 mb	11(6 hr)	lx I dg :: G	100 mb :: Cloud
			CERES	TRMAMPM	Barkstrom	138	BM	1.0 km :: 0.1 km	1/(6 hr.)	1.25 x 1.25 dg :: G	0.1 km :: Atmos
Baes	Cloud Height, Cirrus	1001						300 m ::	21day	50 km :: G	N/A :: Cloud
!			AIRS	PM	Chahine, Chedin,	1423*	BM	0.5 km :: 0.25 km	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
			GLRS-A		Spinhime	1410	Æ	0.2 ::	1/(2-16 day)	1-10 km :: G	75 m ::
			GLRS-A	ALT	Spinhime	1400	Æ	75 m ::	1/(2-16 day)	.2-10 km :: G	75 m ::
Bares	Cloud Height, Stratoform	1406						50 m ::	21day	50 km :: G	N/A :: Cloud
			GLRS-A	ALT	Spinhime	1400	BM	75 m ::	1/(2-16 day)	.2-10 km :: G	75 m ::
_			AIRS	M	Chahine, Chedin,	1423•	AM	0.5 km :: 0.25 km	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
Bates	Cloud Height, Top	1415						:: 100 mb	11(6 hr)	Dxldg::G	100 mb :: Cloud
			CERES	TRM,AM,PM	Barkstrom	1431	BM	0.5 km :: 0.1 km	1(6 円)	1.25 x 1.25 dg :: G	0.1 km :: Atmos
			CERES	TRM,AM,PM	Barkstrom	1429	¥	1.0 km :: 0.1 km	6/day [d,n]	25 km :: G	0.1 km :: Atmos
Bates	Cloud Height, Top	1416						0.5 km :: 0.25 km	2/day [d.n]	15 x 45 km :: G	N/A :: Cloud
			AIRS	M	Chahine, Chedin,	1423•	BM	0.5 km :: 0.25 km	2/day [d.n.]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
			CERES	TRM,AM,PM	Barkstrom	1429	AM	1.0 km :: 0.1 km	(day [d,n]	25 km :: G	0.1 km :: Atmos
Bates	Cloud Ice Content	0687						0.02 :: 0.02	Ilday	10 km :: G	
			AIRS	PM	Staclin	1893*	BM	TBD:: TBD	2/day [d,n]	50 km :: G	N/A :: Cloud
Ваез	Cloud Ice Index	1892							21day [d.n.]	50 km :: G	N/A :: Cloud
			AIRS	M	Staclin	1893•	BM	TBD:: TBD	2/day [d,n]	50 km :: G	N/A :: Cloud
Bates	Cloud Lig water Content	1894						:: 75%	11(6 hr)	1 x 1 dg :: G	Δyr :: 0-30 km
	!	_	CERES	TRM,AM,PM	Barkstrom	1895	BM	75% :: 10%	1/(6 hr)	1.25 x 1.25 dg :: G	lyr :: Atmos
			CERES	TRM,AM,PM	Barkstrom	18%	₩	75% :: 10%	6/day [d,n]	25 km :: G	lyr :: Atmos
			CERES	TRM,AM,PM	Barkstrom	1897	Ψ¥	75% :: 10%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	lyr :: Atmos
			MIS	МО	Waters	1898	ΑM	:: 5%	1/day [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: Upper Trop
Bates	Cloud Lig water Content	1904						1.0 :: 1.0	21day [d,n]	50 lbm :: G	N/A :: Cloud
	-		AIRS	PM	Rosenkranz	1908•	ВМ	0.1 :: 0.1	2/day [d,n]	50 km :: G	N/A :: Cloud
Bates	Cloud Optical Depth	2304							11day	15 x 45 km :: G	N/A :: Cloud
			MODIS	AM,PM	King	2311	ВМ	20% :: 10%	1/day [d]	5 km :: G	N/A :: Cloud
											,

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Proof # Instr. Platforment Output last Product # Accuracy Abes: Ref		The Land Date Bank	ľ	Ì		· ·						
Cloud Optical Depth 2309		INS Input Data Product	:		OS Instrument	Output Data	Toduct		Accuracy	Temporal	Horizontal	Vertical
Cloud Optical Digsh 2004 EGOSP AALPH King 2013 IM 2005 EON	investigator	Froduct Name	rod #	Instr.		tigator	Prod #	Match	Abs :: Rel	Resolution	Resof :: Cover.	Resol :: Cover.
MODIS AMPM King 2011 AM 0.05	Bates	Cloud Optical Depth	2304	EOSP		Travis	2313	EM.	20% :: 10%	1/day [d]	40 km :: G	Column :: Cloud
Chead Opinical Depth 2105 GLRS-A ALT Spinitime et al 2108 AM Clinic 2049 1137				MODIS		King	2312	¥	20%:: 10%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
Cloud Opicial Depth 2105 MODIS AMPP King 2112 RM 2006; 1.004				GLRSA	ALT	Spinhime et al	2308	ΨV	0.1 ::		2-200 km:: G	N/A :: Cloud
Cobal Present, Top HODIS AARDA, Marie 211 AM 20% 10% 20% 10%	Bates	Cloud Optical Depth	2305						20% :: 10%	Ilday, Ilmo	J :: 8p /	N/A :: Cloud
CREST TRMAAADM Backson 211				MODIS	AM,PM	King	2312	BM	20% :: 10%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
CREES TRMAAADM Barkstoon 2217 AM 10% : 5% CREES AM AM AM AM AM AM AM A			1	EOSP		Travis	2313	₩.	20%:: 10%	1/day [d]	40 km :: G	Column :: Cloud
Chaul Pristare, Top 1577 CRES TRM.AAJ.PM Bartstonn 1223 AM 106 :: 556			1	CERES	TRM,AM,PM	Barkstrom	2317	₹	10%:: 5%	1 Asy [Avg], 1/mo [Avg]	1.25 dg :: G	N/A :: Amos
Cloud Presser, Top 137 MONUS AMP Metal 1519 MA 100 mb; 200 mb 100				CERES	TRM,AM,PM	Barkstrom	2322	₹	10%:: 5%	1/day (Avg), 1/mo [Avg]	1.25 dg :: G	N/A :: Atmos
Cloud Temperature, Top 2600 ECSS AABDAN Mented 1538 BM 50 mb : 20 mb 20 mb : 30 mb 30 30	Bates	Cloud Pressure, Top	1527						50 mb :: 20 mb	2/day	5 km :: G	N/A :: Cloud
Count Temperation 1909				MODIS	AM,PM	Menzel	1528	BM	50 mb :: 20 mb	2/dav	5 km :: G	N/A :: Cloud
Chould Target State 1909				EOSP	Ī.,	Travis	1530	¥	30 mb :: 30 mb	1/day [d]	40 km :: G	30 mb :: Cloud
AUST	Bates	Cloud Temperature, Top	2460						1 K :: 0.5 K	2/der/dal	15 x 45 km :: G	N/A :: Cloud
MODIS AMJPN Meried 2467 AM 2C :: I C				AIRS	PM	Chahine, Chedin,	2463	BM	1 K :: 0.5 K	2/day [d.n.]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
The control of the propertial Heigh Creation 1998 HIRDLS CHEM Burnet, Gille 1307 BM 0.04m/mm; 0.04m/				MODIS	AM.PM	Menzel	2467	AM	2C::1C	2/day	5 km :: G	N/A :: Cloud
HIRDLS CHENA Barnet, Gille 1509 BM GOMPACH GONACHA G	Bates	Geopotential Height Gradient	661						0.04m/km ::	2/day	4x4dg :: G	1-15 km :: Atmos
HINDLE H				HIRDLS	CHEM	Barnett, Gille	1500	Æ	0.04m/km :: 0.04m/km	2/day [d,n]	4×4 dg :: G	1 km :: 15-80 km
HIRDLS CHEM Barnett, Gille 1837 BM S.10% :: 1-10%	Bates	H2O Conc	8081						5-10% :: 1-5%	2/day	4x4de::G	1-1 5 km :: 10-80 km
Hundiny Profile				HIRDLS	CHEM	Barnett, Gille	1837	Æ	5-10%:: 1-10%	2/day [d.n]	4 x 4 de :: G	1 km :: 7-80 km
SAPIRE MO Russell 1839 AM ::54 (20-80 km)				MLS		Waters	1838	₹	:: 2% <50km	2/day [d.n]	0.1 x 2.5 de :: 82N-82S	2.5 km [1.2] :: TPSE 100 km
Fig. 20, CE-III AFRO, CHEM McComick 1841 AM 10461546 1455 14				SAFIRE		Russell	1839	₹	:: 5% (20-80 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-100 km
TES CHEM Beer 1843 AM : 0.5 ppm 1.05 556 Ica _Sheet Cover 2918				SAGE-III	ਢ	McCormick	1841	¥	10%:: 15%	1/(2 min), 30/day	<2x<1 dg :: G	1 km :: 3-50 km
Humidity Profile 1809				TES		Beer	1843	₹	:: 0.5 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
AIRS PM Chedin, Fleming 1828 BM 10%;; 5%	Bates	Humidity Profile	1809						10% :: 5%	2/day [d.n.]	50 km :: G	2 km :: Atmos
Land_sfc Enissivity 2112				AIRS	PM	Chedin, Fleming.	1828	BM	10%:: 5%	2/day [d.n.]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
Land sjc Emissivity 2112	Bates	Ice Sheet Cover	8162							21day [d.m]	50 km :: Land/Cryo	NIA :: Sfc
Lond 3fc Emissivity 2112				AIRS		Staclin	2921	BM		2/day [d.n]	50 km :: Land/Cryo	N/A :: Sfc
AMDIS	Bates	Land_sfc Emissivity	2112						0.05 :: 0.025	21day [d.n.]	50 km :: Land	NIA :: Sfc
Land_stCTemperature,Shin 2475 AIRS PM Chedin, Ferming, 2481 BM 1.0 K:: 0.5 K			!	AIRS	PM	Chedin, Fleming.	2113	BM	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: Land	N/A :: Sfc
Land_yG Temperature, Skin 2475 AIRS PM Chedin, Fleming, 2481 BM 1.0 K:: 0.5 K Land_yG Temperature-Difference, Day-Nigk, Land_ying, Land_				MODIS	AM,PM	Wan	3324	BM	0.05 :: 0.02	1 day, 1 wk	10 km :: Land	N/A :: Sfc
AIRS PM Chedin, Pieming, 248 BM 1.0 K :: 0.5 K	Bates	Land sfc Temperanore, Skin	2475						1.0 K :: 0.5 K	21day [d.n.]	50 km :: Land	NIA :: Sfc
Land_stC Temperature-Difference, Doy-Nigh 2538 PM Chedin, Fleming 2539* BM 0.5 K :: 0.25 K				AIRS	PM W	Chedin, Fleming.		BM	1.0 K :: 0.5 K	2/day [d,n]	50 km :: Land	N/A :: Sfc
AIRS PM Checin, Fieming 2539* BM 0.5K :: 0.25K MODIS AM_PM Huste 2537* AM 1.2K :: 0.3K ASTER AM1 Kieffer et al 2540 AM 1.2K :: 0.3K Level-IB Radiance, AIRS AIRS PM Chahine 2347 BM 0.2dg NEAT :: 0.2dg NEAT Level-IB Radiance, AMSU-A 2349 AIRS PM Chahine 2357 BM 0.2dg NEAT :: 0.2dg NEAT Level-IB Radiance, MIS AIRS PM Chahine 2350 BM 0.2dg NEAT :: 0.2dg NEAT AIRS PM Chahine 2350 BM 0.2dg NEAT :: 0.2dg NEAT AIRS PM Chahine 2350 BM 0.2dg NEAT :: 0.2dg NEAT AIRS PM Chahine 2350 BM 0.2dg NEAT :: 0.2dg NEAT AIRS PM Chahine 2350 BM 0.2dg NEAT :: 0.2dg NEAT AIRDLS CHEM Barnett, Gille 1318 BM 5-10% :: 1-10% AIRDLS CHEM Barnett, Gille 1318 BM c-3 3% :: 154(-50km) AIRS MO Waters 1319 AM c-3 3% :: 154(-50km) AIRS MO Russell 1320 AM :: 5% (10-70km)	Bares		2538						0.5 K :: 0.25 K	liday	50 km :: Land	NIA :: Sfc
MODIS AM_PM Huste 2537* AM 1 K ii 1 K				AIRS	M	Chedin, Fleming.	2539*	BM	0.5 K :: 0.25 K	2/day [d,n]	50 km :: G	N/A :: Sfc
ASTER AMI Kieffer ct al 2540 AM 1-2 K:: 0.3 K				MODIS	T	Hucte	2537	¥	1K::1K	1/day	856 m :: R	N/A :: Sfc
Level-18 Radiance, AIRS				ASTER	VΜΙ	Kieffer et al	2540	Ψ¥	1-2 K :: 0.3 K		90 m :: Land/R,L	N/A :: Sfc
AIRS PM Chahine 2347 BM 0.24g NEGT :: 0.24g NEGT	Bates	Level-18 Radiance, AIRS	2346						::			
Level-1B Radiance, AMSU-A 2349 AIRS PM Chahine 2350 BM 0.2dg NEGT:: 0.2dg NEGT Level-1B Radiance, MIS 2351 AIRS PM Chahine 2352 BM 0.2dg NEGT:: 0.2dg NEGT O3 Conc 1305 AIRS PM Chahine 2352 BM 0.2dg NEGT:: 0.2dg NEGT MLS NB ChEDM Bannert, Gille 1318 BM 5-10%:: 1-10% MLS MO Waters 1319 AM <= 3%:: 1%(-50km)				AIRS	Æ	Chahine	2347		2dg NEdT :: 0.2dg NEdT	2/day [d.n]	15 x 15 km :: G	N/A:: N/A
AIRS PM Chahine 2350 BM 0.2dg NEGT:: 0.2dg NEGT	Bates	Level-1B Radiance, AMSU-A	2349						2dg NEdT :: 0.2dg NEdT	21day [d.n]	40 x 40 km :: G	NIA :: NIA
Level-1B Radiance, MIS AIRS PM Chahine 2352 BM 0.2dg NEGT :: 0.2dg NEGT				AIRS	P.W.	Chahine	2350		.2dg NEdT :: 0.2dg NEdT		40 x 40 km :: G	N/A :: N/A
O3 Conc 1305 PM Chabine 2352 BM 0.2dg NEGT:: 0.2dg NEGT: HIRDLS CHEM Barnert, Gille 1318 BM \$-1046: 1-546 MLS MO Waters 1319 AM <=346.:: 146(-50km) SAFIRE MO Russell 1320 AM :: 546 (10-70 km)	Bates	Level-1B Radiance, MHS	235/						2dg NEdT :: 0.2dg NEdT	21day [d.n]	15 x 15 km :: G	NIA :: NIA
O3 Conc 1305 CHEDA Barnert, Gille 1318 BM \$-1046: 1-546 MLS MO Waters 1319 AM <= 346.:: 146.650km)				AIRS	Æ	Chahine	2352		2dg NEdT :: 0.2dg NEdT	2/day [4,n]	15 x 15 km :: 'G	N/A :: N/A
CHEM Barnett, Gille 1318 BM 5-10% :: 1-10%	Bates	O3 Conc	7305						5-10% :: 1-5%	2/day	D :: 8p + x +	1-15 km :: 10-80 km
MO Waters 1319 AM <= 3% :: 1% (<50km) MO Russell 1320 AM :: 5% (10-70 km)			1	HIRDLS		Barnett, Gille	1318	Æ	5-10% :: 1-10%	2/dey [d,n]	4 x 4 dg :: G	1 km :: 7-80 km
MO Russell 1320 AM :: 5% (10-70 km)			_ 1	MES		Waters	1319	¥	<= 3% :: 1%(<50km)	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: TPSE, 110 km
			1_	SAFIRE	MO	Russell	1320	₹	:: 5% (10-70 km)	1/(18-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	1.5-3 km :: 10-100 km
SAGE-II AERO.CHEM McCormick 1321 AM 6%;; 5% 1/(2 m				SAGE-III	AERO,CHEM	McCormick	1321	-WA	6%:: 5%	1/(2 min), 30/day	<2 x <1 dg :: Polar	1 km :: 6-85 km

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	IDS Input Data Product		6 6	Sinstrument	EOS Instrument Output Data Product	Product	_	Accuracy	Temporal	Horizontal	Vertica
Investigator	Product Name	Prod #	Instr.	Platforms	Investigator	Prod # Match	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Bates	Ocean Wave Heigh	3126						20% :: 20%	11day	50-75 m :: Ocean	NIA :: Sfc
			ALT	ALT	Fa	3129	M	>.5m,10% ::		7 km :: Ocean	N/A :: Sfc
Bates	Ocean Wave Height, Along-track	3128						> 5m,10% ::		7 km :: Ocean	NIA :: Sfc
			ALT	ALT	Fu	3129	BM	>.5m,10% ::		7 km :: Ocean	N/A:: Sfc
Ватея	PBL Heigh	1512						75 m ::		2-200 km :: G	75 m :: Trop
			GLRS-A	ALT	Spinhime et al	1514	BM	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Trop
Bates	Precipitable Water	1862						5%::3%	21day [d.n]	50 lbm :: G	NIA :: Trop
			AIRS	PM	Chedin, Fleming.	1869	BM	5%:: 3%	2/day [d,n]	50 km :: G	N/A :: Trop
			MODIS	AM,PM	Menzel		BM	10 mm :: 5 mm	2/day	5 km :: G	N/A :: Atmos
			MODIS	AM,PM	Kaufman, Tanre	1874	¥	8%:: 6%	1/day	5 km :: Land	N/A :: Atmos
			AIRS	M	Rosentranz	3693	¥	2 mm :: 1 mm	2/day [d.n]	50 km :: G	N/A :: Trop
Bates	Precipitation Index	1968						2mm/hr :: Imm/hr	21day [d,n]	50 km :: G	NIA :: Trop
	-		AIRS	PM	Susskind	•696 <u>1</u>	BM	Zmm/day :: 1mm/day	2/day [d,n]	50 km :: G	N/A :: Trop
_			AIRS	M	Staclin	3696	¥	Zmm/hr :: 1mm/hr	2/day [d,n]	50 km :: G	N/A :: Trop
			MIMR	M	TBD	3601	¥		1 TTO	1 dg :: Global	N/A :: Sfc
Bares	Precipitation lader Antecedent	1970							1/day	26-52 km :: Land	N/A :: Sfc
			AIRS	PM	Susskind	1969	BM	2mm/day :: 1mm/day	2/day [d.n]	50 km :: G	N/A :: Trop
			AIRS	M	Staclin	3694	¥	2mm/hr :: 1mm/hr	2/day [d,n]	50 km :: G	N/A :: Trop
<u></u>			MIMR	M	TBD	3601	Æ		l mo	1 dg :: Global	N/A :: Sfc
Bates	Precipitation Rate	1958								10 km :: G	1 tol :: Sfc
			MIMR	M	TBD	3600	BM			22 km :: Global	N/A :: Sfc
Bates	Radiative Flux, LW. Net	2173							21day [d.n.]	SO km :: Land	N/A ::
			AIRS	PM	Gautier	2176	BM	<15:: TBD	1/day	50 km :: Land	N/A :: Sfc
Bates	Radiative Flux, LW, Net	2174							2/day [d.n]	50 km :: Ocean	NA ::
			AIRS	PM	Gautier	2177•	BM	<10:: TBD	1/day	50 km :: Ocean	N/A :: Sfc
Bates	Radiative Flux, LW, Up	2191							2/day [d.n]	50 km :: G	NIA :: TOA
			CERES	TRM,AM,PM	Barkstrom	2202	EM.	7 W/m^2 :: <7 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM,AM,PM	Barkstrom	2204	BM	5 W/m^2 :: 2 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A:: TOA
			CERES	TRM,AM,PM	Barkstrom	2200	ВМ	3 W/m^2 :: 1 W/m^2	[1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: TOA
Bates	Sea Ice Conc	3182							11(3 day)	100 km :: > 60 dgLAT	:: Sfc
	ì		MIMR	PM	TBD	3611	BM			22 km :: Ocean/Cryo	N/A :: Sfc
Bates	Sea Ice Cover	3148						10% :: 10%	21day [d.n]	50 km :: OceanlCryo	NIA :: Sfc
	I		AIRS	M	Chedin, Staelin	31510	BM	0.1:: 0.1	2/day [d,n]	50 km :: Occan/Cryo	N/A :: Sfc
			MIMR	Z	TBD	3611	BM			22 km :: Ocean/Cryo	N/A :: Sfc
			MODIS	AM,PM	Salomonson	3153	AM	<=5%:: <=5%	1/day, 1/wk, 1/mo	10 km :: Ocean/Cryo	N/A:: Sfc
Ванея	Sea Ice Emissivity	2121							l/day	10 km :: Polar	NIA :: Sfc
			MODIS	MďWV	Wan	3324	BM	0.05 :: 0.02	1 day, 1 wk	10 km :: Land	N/A :: Sfc
			AIRS	Md	Chedin, Fleming.	. 2113	ВМ	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: Land	N/A :: Sfc
Bates	Sea Ice Temperature	2489							IIday	10 km :: Polar	NIA :: Sfc
	•		ASTER	IWV	Welch	3619	BM			90 m :: Ocean/Cryo	N/A :: Sfc
Bates	Sea Level Height, Along-track	3111						10 ст ::		7 km :: Ocean	NIA :: Sfc
	1		ALT	ALT	Pu	3112	BM	10 cm ::		7 km :: Ocean	N/A :: Sfc
Bates	Sea stc Temperature (SST)	2508						0.3-0.6 K :: 0.1-0.3 K	IIday, Ilwk, Ilmo	20 km :: OceanGR	NIA :: Sfc
			MODIS	M4,MA	Brown	2528	BM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocent/G,R	N/A :: Sfc
			MODIS	AM,PM	Brown, Barton	2531	BM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
			AIRS	PM	Chedin, Fleming.	. 2523*	ΨV	0.5 - 1 K :: 0.4 - 0.5 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Particular Product Numerican Prod. Pro		IDC land Date Dead.et											
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Investigator	۵	D. c.d.	1	US Instrument	Output Data	Product		Accuracy	Temporal	Horizontal	Vertical	-
Sear-Creek 1970	The Street of the Street	7	# DOLL			Investigator	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.	_
Mail	80	sea ste i emperature (SSI)	2209						0.5 K :: 0.4 K	2/day [d.n]	50 km :: Ocean	N/A :: Sfc	_
MOSIS AAPA Deva, Bases 223 AAS 0.1446f. 0.10 M. 149 M. M. M. M. M. M. M. M				AIRS		Chedin, Fleming.		BM BM	0.5 - 1 K :: 0.4 - 0.5 K	2/day [d_n]	50 km :: Ocean	N/A :: Sfc	
Store Cover 1000 Add/M December 122 Add 0.14466.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0				MODIS	Ţ	Brown, Barton	2532	₹	0.3-0.4K :: 0.1-0.6K	1/day, 1/wk, 1/mo	50 km :: Ocean	NA::Sfc	_
MODIS MAJM Not MAJM N				MODIS	\neg	Brown	2528	¥	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	NA:: Sfc	
Store Core			-	Modis	╗	Brown, Barton	2531	₹	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfe	_
Sour Core 1007 1008 1008 1008 1008 1009 10		,		MIMR		TBD	3603	ΑŽ			60 km :: Occan	N/A :: Sfc	
Store Core 300)	Bac	Snow Cove	3006							21day [d.n.]	50 km :: Land	N/A :: 5/6	_
MODIS MAPA Silomenon NO				AIRS	٦	Sactin	3018• 3018•	BM		2/day [d,n]	50 km :: Land	N/A :: Sfe	
Sin Wome Come 1907 Widney PM 1900 Sept All Shemmen 1907 Widney PM 1900 Sept All Shemmen 1907 Widney PM 1900 Sept All Shemmen 1900 All Shemmen 1900				MODIS	٦	Salomonson	3020	Æ	<=5% :: <=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc	_
NOTICE N			Ī	MIMR		TBD	3607	ΨV			22 km :: Land	N/A :: Sfc	
Micros Micro Micros Micros Micros Micros Micros Micros Micros Micro	Bales	Snow Cover	3007						<=5% :: <=5%	Ilday, Ilwk	10 km :: Land	N/A :: S/c	_
Soil Modure 2000 AM Sucini D 3600 AM 40% 4				MODIS	1	Salomonson	3020	BM	<=5%:: <=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc	_
Sin Houtine Soi Houtine				MIMR		TBD	3607	¥			22 km :: Land	N/A :: Sfc	_
Strategion Str				AIRS		Staclin	3018	Ψ¥		2/day [d,n]	50 km :: Land	N/A :: Sfc	
Stratopause High 1561 Wilst PM This Stratopause High 1561 Wilst PM This Stratopause High 1561 Wilst M Stratopause High 1561 M Stratopause High 1562 M Stratopause High 1662 M Stratopause High 1662	Bales	Soul Moisture	2960	!					:: 40%		43 km :: Land	N/A :: Sfc	_
Temperature Profile 1569 PM Smith 1567 PM 1 min 0.5 km 2 lady [4] 50 km; CG 2 lady [4] 50 km; CG 2 lady [4] 50 km; CG 2 lady [4] 1 lady 1 lady 2 lady [4] 1 lady [4] 1 lady [4] 1 la				MIMR		TBD	3605	BM BM			60 km :: Land	N/A :: Sfc	_
Temperature Profile 1500 ARS PM Smith 1502 BM 1 km 150 km 2 day (d.n.) 150 km C. 18 x (d.g. 10 cm C. 18 x (d.g. 18 x (d.g. 10 cm C. 18 x (d.g. 18 x (d.g. 10 cm C. 18 x (d.g. 18 x	त्रवटा स	Stratopause Height	1991						1 km:: 0.5 km	21day [d.n.]	50 km :: G	N/A :: Mid-armos	_
Temporation Profile 1500 AM 2.1.2.K 1.0.0 1.0.5				AIRS		Smith	1562*	BM	1 km :: 0.5 km	2/day [d,n]	50 x 50 km :: G	N/A :: Mid-atmos	_
SAGEM SAGEM ACCOMMEN 1611 AM 2.K.3.7K 11/2 mile, 30/day C.5.3 c.j. dg.; C C.5.3 c.j. dg.	Bates	Temperature Profile	1569						:: 1-2 K		1.8 x .16 dg .: G	3 km :: 20-60 km	_
HIRDIS GIEM HIRDIS GIE				SAGE-III	3	McCormick	1611	\neg	2 K :: 2K	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 6-55 km	_
CGI ALT Melbourne 1609 AM 1 K :: 1 K 700 reddy 1.200 fm:: CG				HIRDLS		Barnett, Gille	1608		;2K>50km :: 0.3K;1K>50k	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km	
Tarperature Profile 1570 Alia Melbourne 1605 AM 1.8.11.K 700 recidity 1.200 µm: G				3		Melbourne	1606		1 K :: 1 K	700 ret/day	1-200 km :: G	1 km :: 2-5/50-60 km	_
Temperature Profile 1570 Water 1609 AM 1.0K (160 EM				ij		Melbourne	1605	₩.	1 K :: 1 K	700 ret/day	1-200 km :: G	1 km :: 5 - 50 km	_
SAFRE MO Russell 1500 AM 1-0-3K(10-6.05 km) 1/(18-72-9)[7] 25 x 1-5 d; 20-86N 1/(18-72-9)[7] 15 x 50 - 50 x 50 km				MLS		Waters	1609	W	:: 2K <100km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2] :: TPSE, 120 km	_
Temperature Profite 1570 AIRS PM Checlin, Ferning, 1588 AM 1.0 K.: 0.4 K 2.04y [d.n.] 15 x 50 - 50 x 50 km::C				SAFIRE		Russell	1610	¥	:: <0.5K(16-65 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-110 km	
Importance Profile 1570				AIRS		Chedin, Fleming.	1588	ΨV	1.0 K :: 0.4 K	2/day [d,n]	15 x 50 - 50 x 50 km :: G	1.2 km :: Atmos	
HirbLA Critic Hos Bin K.2X-50km :: 0.3K;1K>50k 2/day (d.a.) 4 x 4 dg :: C 2/day (d.a.) 25 x 1-5 dg :: BGS-BSN Marcell All RenCritic Hos All :-C C C All :-C C C C C All All All Schmuage Hogis	Bates	Temperature Profile	1570						K;2K>50km :: .3;1K>50km	21day	4x4dg :: G	1-1.5 km :: 10-80 km	
SAFIRE MO Pauseti 1610 AM ::COSK(16.65 km) 1/(18-72.9)[?] 25.81-5.6g; 86S-86N				HIRDLS		Barnett, Gille	1608		;2K>50km :: 0.3K;1K>50k	2/day [d,n]	4x4dg::G	1 km :: 7-80 km	
Temperature Profile 1571				SAFIRE		Russell	1610	¥	:: <0.5K(16-65 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-110 km	
Temperature Profite 1571 ARRO,CHEM McCormick 1611 AM 2 K :: 2K 1/(2 min), 30/day 4.2 x < dg :: G				MLS	MO	Waters	6091	¥	:: 2K <100km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 120 km	
Tropopause Height, Aerotol Located 1642 AIRS PM Chedin, Fleming, 1588 BM 1.0 K :: 0.4 K 21day [d.n] 15 x 50 x 50 km :: G				SAGE III	AERO,CHEM	McCormick	1611	¥	2 K :: 2K	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 6-55 km	_
Tropopause Height, Aerosol Located 1642 AJES PM Chedin, Pleming, 1588 BM 1.0 K.: 0.4 K 2/day (Jah) 15 x 50 - 50 x 50 km.: G	Bales	i emperature Profile	1221						1.0 K :: 0.4 K	2/day [d.n.]	50 km :: G	I km :: Atmos	
				AIRS		Chedin, Fleming,	1588	Æ	1.0 K :: 0.4 K	2/day [d,n]	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos	_
Vegetation Evaportans 1989	Bac	Iropopouse Height, Acrosol located	1642						75 т.:		200 km :: G	75 m :: Trop	
Vegetation Evapotrant 1989 AMIS FMA Smith, Susakind 3688* AM 1 km :: 0.5 km 2day [d.n.] 50 x 50 km :: G Vegetation Evapotrant 1989 ASTER AMI Schmugge 1791 BM 1 mm/day :: 0.5 mm/day 90 m :: Land R.L. Vegetation Evapotrant, Actual, (AET) 1800 ASTER AMI Schmugge 1791 BM 1 mm/day :: 0.5 mm/day 90 m :: Land R.L. Vegetation Index, Led Nea, (LAI) 2676 ASTER AMI Schmugge 1791 BM 1 mm/day :: 0.5 mm/day 90 m :: Land R.L. Vegetation Index, Led Nea, (LAI) 2676 AMIPM Ruming 2860* BM 0 1-0.25 :: 5.0% 1/day 90 m :: Land HIRLS AMI Gillespie 2740* AM 200% :: 10% 1/(2-16 day) 30 m :: Land ASTER AMI Gillespie 2747* AM 200% :: 10% 1/(2-16 day)				GLKS-A	1	Spinhime et al	1014	M	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Atmos	
Vegetation Evaporate 1989 ASTER AMI Schmugge 1791 BM 1 mm/day:: 0.5 mm/day 90 m:: Land/R.L. 90 m:: Land/R.L. Vegetation Evaporate 1990 ASTER AMI Schmugge 1791 BM 1 mm/day:: 0.5 mm/day 90 m:: Land/R.L. 90 m:: Land/R.L. Vegetation Index, Led Nea, (LAI) 2676 ASTER AMI Schmugge 1791 BM 1 mm/day:: 0.5 mm/day 90 m:: Land/R.L. 90 m:: Land/R.L. Vegetation Index, Led Nea, (LAI) 2676 AMIPM Ruming 2680° BM 0.1-0.25:: 5-20% 1/day 90 m:: Land/R.L. HIRLS AMZ Ustin ct al. 2747° AM 2076:: 10% 1/(2-16 day) 30 m:: Land/R.L. ASTER AMI Gillespie 2747° AM AM 1/(2-16 day) 1/(37.0	7		ARS		Smith, Susskind	3688	₹	1 km :: 0.5 km	2/day [d,n]	50 x 50 km :: G	N/A:: Atmos	
Vegetation Evaportary 1990 ASTER AMI Schmugge 1791 BM 1 mm/day:: 0.5 mm/day 90 m:: Land/R.L. Vegetation Evaportary 1990 ASTER AMI Schmugge 1791 BM 1 mm/day:: 0.5 mm/day 90 m:: Land/R.L. Vegetation Index, Led/Nea, (LAI) 2676 ASTER AMI Schmugge 1791 BM 1 mm/day:: 0.5 mm/day 90 m:: Land/R.L. Vegetation Index, Led/Nea, (LAI) 2676 AM.PM Ruming 2680° BM 0.1-0.25:: 5-20% 1/day 90 m:: Land/R.L. HIRLS AM.DM Ruming 2680° BM 0.1-0.25:: 5-20% 1/day, 1/wk pixel: size:: Land/R.L. ASTER AMI Gillespie 2747° AM 2076:: 10% 1/(2-16 day) 30 m:: Land/R.L.	380	Vegetation Evaporans	2867	į					1::1	1/day	500 m :: Land	NIA :: Sfc	
Vegetation Evaportant, A.C.Ind., (A.E.T.) ASTER A.M.I. Schmagge 1791 BM I mm/day::0.5 mm/day 90 m:: Land/R.L. Vegetation Index, Leaf Avea, (L.A.) 2676 ASTER A.M.I. Schmagge 1791 BM I mm/day::0.5 mm/day 90 m:: Land/R.L. Vegetation Index, Leaf Avea, (L.A.) 2676 AM.P.M. Ruming 2680° BM 0.1-0.25::5-20% 1/day 90 m:: Land/R.L. HIRLS A.M.D.M. Ruming 2680° BM 0.1-0.25::5-20% 1/day, 1/wk pixel: size:: Land/G.R.L. ASTER A.M.I. Gillespie 2747° AM 20%::10% 1/(2-16 day) 30 m:: Land/G.R.L.		2		ASIEK		Schrmigge	1791	BM BM	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A :: Sfc	
Vegetation Evaportars, Actual, (AET) 1800 ASTER AMI Schmugge 1791 BM 1 mm/day::0.5 mm/day 90 m::Land/R.L. Vegetation Index, Leaf Avea, (LAI) 2676 ASTER AMI Schmugge 1791 BM 1 mm/day::0.5 mm/day 90 m::Land/R.L. 90 m::Land/R.L. Vegetation Index, Leaf Avea, (LAI) 2676 AMI Schmugge 1791 BM 1 mm/day::0.5 mm/day 90 m::Land/R.L. 90 m::Land/R.L. MODIS AM,PM Rumning 2680° BM 0.1-0.25::5-20% 1/day, 1/wk pixel: size::Land/G.R.L. HIRLS AMI Gillespie 2747° AM 200%::10% 1/(2-16 day) 30 m::Land/G.R.L. ASTER AMI Gillespie 2747° AM AM 1/(2-16 day) 15 m::Land/G.R.L.	200	regelation evaporans	0667						0.02 :::				
Vegetation Endport aux, Actual, (AE1) ASTER AMI Schmugge 1791 BM I mm/day::0.5 mm/day 1/day 500 m::Land/R.L. Vegetation Index, Leaf Avea, (LAI) 2676 AM.PM Ruming 2680° BM 0.1-0.25::5-20% 1/day, 1/wk pixel: size::Land/G.R.L. HIRLS AMZ Ustin ct al. 2747° AM 2006::10% 1/(2-16 day) 30 m::Land/G.R.L. ASTER AMI Gillespie 2747° AM AM 1/(2-16 day) 15 m::Land/G.R.L.				ASTER		Schmugge	179	E E	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A :: Sfc	
Vegetation Index. Leaf Avea, (LAI) 2676 AAJ PM Rumning Schmugge 1791 BM Inm/dday::0.5 mm/dday::0.5 mm/dday IImo 90 m:: Land/R.L. MODIS AALPM Rumning 2680° BM 0.1-0.25::5-20% 1/day, 1/wk pixel: size:: Land/G.R.L. HIRLS AAM2 Ustin ct al 2746 AM 2006:: 10% 1/(2-16 day) 30 m:: Land/G.R.L. ASTER AM1 Gillespie 2747° AM AM 1/(2-16 day) 15 m:: Land/R.L.	2000	Vegelation Evaporans, Actual, (AET)	000/						05::1	1/day	500 m :: Land	NIA :: Sfc	
Vegetation Index. Led Nea, (LA) 20/6 AM_PM Rumning 2680° BM 0.1-0.25 :: 5-20% 1/day, 1/wk pixel, size :: Land/G,R,L HIRLS AM2 Ustin ct al 2746 AM 20% :: 10% 1/(2-16 day) 30 m :: Land/G,R,L ASTER AM1 Gillespie 2747° AM AM 1/(2-16 day) 15 m :: Land/G,R,L				ASIEK		Schmugge	1791	B	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A :: Sfc	
AM2 Ustin et al 2746 AM 20%:: 10% 1/62·16 day) 30 m:: Land/G,R,L AM1 Gillespie 2747* AM 20%:: 10% 1/72·16 day) 30 m:: Land/L	200	Vegetation Index, Led Area, (LAI)	20/0							Ilmo	60 m :: Land	NIA :: Sfc	
AM1 Gillespie 2747 AM 20%::10% 1/(2-16 day) 30 m:: Land/L 15 m:: Land/R.L				MODIS	T	Kurming	2680	BM	0.1-0.25 :: 5-20%	1/day, 1/wk	pixel_size :: Land/G,R,L	N/A :: N/A	_
AM 1011espite 2/4/* AM 15 m:: Land/R.L.			•	HIKES		Ustin ct al	2746	₹ :	20% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	
				ASIEK	1	Cillespie	2/4/2	¥			15 m :: Land/R,L	N/A :: Sfc	

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Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	4 . 4		300					A contract A	Tommonal	Horizontol	Vorticel
Investigator	Product Name	Prod #	Instr.	Platforms	Investigator	Prod # Match	Aatch	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Bates	Wind Coand See of	1700							21day [d.n]	50 km :: Ocean	N/A :: Sfc
3	rr em Speca, Sea Sc	}	MIMR	PM	TBD	3594	EM			39 km :: Ocean	N/A :: Sfc
Rates	Wind Strees	1742								.:: Осеан	:: S/c
		!	STIKSCAT	CHEM	Freilich	1746	BM			:: Ocean	:: Sfc
			MIMR		TBD	3595	BM		i mo	1 dg :: Occan	N/A :: Sfc
			MIMR	PM	TBD	3594	AM			39 km :: Ocean	N/A :: Sfc
Bates	Wind Velocity, Geostrophic	7685						2 m/s ::	2/day	4x4dg::G	1-1.5 km :: Atmos
	•		HIRDLS	CHEM	Barnett, Gille	1687	BM	3 m/s :: 3 m/s	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km
Bates	Wind Velocity. Sea sfc	1658						:: 10%; 20 dg		25 юн :: Осеан	NIA :: Near stc
			STIKSCAT	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A:: Near_Sfc
Brewer	Gelbstoff Absorption Coef@300nm	3213				-		50% :: 10%	IIday, IIseas	30 m :: OceanL	N/A :: T00
	,		HIRIS	AM2	Carder, Melack	3215	BM.	50% :: 25%	1/(2 day) [d]	30-90 m :: Ocean-I/L	N/A:: TOO
Brewer	Gelbstoff Absorption Coef@300nm	3214						50% :: 10%	Ilday, Ilseas	20 km :: Ocean	NIA :: T00
			HIRIS	AM2	Carder, Melack	3215	BM-	50% :: 25%	1/(2 day) [d]	30-90 m :: Ocean-1/L	N/A :: TOO
Rrower	Irradiance IV Solve	2275						20% :: 5%	Ilday, Ilseas	30 m :: Ocean/L	
			SOLSTICE	МО	Rottman	8722	BM	<5%::<1%	1/11	N/A :: N/A	N/A:: NA
			SOLSTICE		Rottman	1777	BM	<5%::<1%	1/14	N/A :: N/A	N/A:: NA
Repuer	Irradiance IIV Solur	2276						20% :: 5%	Ilday, Ilseas	20 km :: Ocean	
			SOLSTICE	МО	Rottman	2278	BM	<5%::<1%	1/41	N/A :: N/A	N/A:: NA
			SOLSTICE		Rottman	1122	BM	<5%::<1%	1/41	N/A :: N/A	N/A:: NA
			SOLSTICE		Rottman	2398	AM-		1/hr	2 dg :: G	1 km :: Mid_atm
Reguler	Irradiance Visible Solar	2279						20% :: 5%	Ilday, Ilseas	20 km :: Ocean	
13.19		ì	MODIS	AMPM	Gordon	2267	BM-	10% :: 5%	1/day [d]	1 km :: Ocean	N/A :: Sfc
Brower	Irradiance Visible Solor	2280						20% :: 5%	Ilday, Ilseas	30 m :: OceanL	
			MODIS	AM,PM	Gordon	2267	BM-	10%:: 5%	1/day [d]	1 km :: Ocean	N/A :: Sfc
Brewer	Land sfc Reflectance, Directional	2426						3% :: 1%	IIday, IIseas	1.7 km :: Ocean	NIA :: Sfc
		_	MODIS	AM,PM	Taure, Muller	2425•	BM	15%:: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A :: Sfc
			MODIS	AM,PM	Kaufman et al	2429	Æ	0.01 :: 0.005	1/day	1 km:: G	N/A :: Sfc
			MISR	WΥ	Diner	2631	AM	5% :: 2%	1/(5-16 day) [d]	1.92 km :: G	N/A :: Sfc
Brower	Land ste Reflectance. Directional	2427						3%::1%	Ilday, Ilseas	.22 km :: Ocean/L	NIA :: Sfc
			MODIS	AMPM	Kaufman et al	2431	BM	0.01 :: 0.005	1/day	0.25 km :: G	N/A:: Sfc
			MISR		Diner	2632	AM	5%:: 2%	1/(S-16 day) [d]	240 m :: R	N/A :: Sfc
			MODIS	_	Tarre, Muller	2425*	AM	15%:: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A:: Sfc
			HIRIS	AM2	Gerstl	2035	AM	5%:: 5%	1/(16 day)	30 m :: Land/L	N/A :: Sfc
Brower	Level-1B Backscatter, STIKSCAT	2097						10% :: TBD	Ilday, Ilseas	25 km :: Ocean	NIA :: Sfc
			STIKSCAT	CHEM	Freilich	2108	BM	:: 0.25 dB		25 km :: G	N/A:: Sfc
Brewer	Level-2 Radiance, Water-leaving	2414						10% :: TBD	IIday, IIseas	30 m :: OceanL	NIA :: TOO
			HIRIS	AM2	Goetz	23.70	BM				
Brewer	Level-2 Radiance, Water-leaving	2415						10% :: TBD	Ilday, Ilseas	20 km :: Ocean	NIA::TOO
			MODIS	AMPM	Gordon et al	2417	BM	5%:: 5%	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
			MODIS	AM,PM	Gordon et al	2416	ΑM	5%:: 5%	1/day, 1/wk, 1/mo	1 km :: Ocean/R,L	N/A :: Sfc
Brower	Ocean Productivity, Primary	2599						50% :: 5%	Ilday, Ilseas	20 km :: Ocean	N/A :: T00
			MODIS	AM,PM	Esnins	9092	VΨ	<35%:: <20%	1/wk, 1/mo, 1/yr	20 km :: Ocean/G,R	N/A :: T00
Brower	Ocean Productivity, Primary	2600						50% :: 5%	Ilday, Ilseas	30 m :: Oceanil.	N/A :: TOO
			HIRIS	AM2	Davis, Melack et	7601	BM	100%:: 50%	1/(>=2 day)	30-90 m :: Ocean/L	N/A :: T00
Rrower	Ocean Water Attenuation Coef. Diffuse	3202						25% :: TBD	Ilday, Ilseas	20 km :: Ocean	NIA :: Sfc
1			MODIS	AM,PM	Clark	2032	BM	35%:: 10%	1/day, 1/wk	20 km :: Ocean-1	N/A:: TOO

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	IDC Inches Date Destret										
Investigator	Desdies News	2	2	EOS Instrument	ent Output Data Product	roduct		Accuracy	Temporal	Horizontal	Vertical
ing at the	License Manual	# DOLL	Instr.	Flactorms	is investigator Prod# Match	700 #	Tatch	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Dr CWET	Urganic Carbon Conc, Dissolved	7907						100%:: 10%	Ilday, Ilseas	20 km :: Ocean	N/A :: T00
			MODIS	AM,PM	Carde	4	BM	150%:: 30%	1/day, 1/wk, 1/mo	20 km :: Ocean	N/A:: T00
			Modis	AM,PM	Parsiow et al	2582	AM	150%:: 30%	1/day, 1/w/k, 1/mo	20 km :: Ocean [Southern]	N/A:: T00
Brewer	Organic Carbon Conc. Dissolved	2962						100% :: 10%	Ilday, Ilseas	30 m :: OceanL	N/A::TOO
			HIRIS	AM2	Carder, Melack	3314	BM	100%:: 50%	(>=2)/day	30-90 m :: Ocean/L+Land/Lakes	OOT :: A/N
Brewer	Precipitation Amount	1928						2 :: TBD	Ilday, Ilseas	:: OceanL	N/A :: Sfc
			AIRS	P.W.	Sueskind		BM	2mm/day :: 1mm/day	2/day [d,n]	50km::G	N/A :: Troo
			AIRS		Staclin		Ψ¥	Zmm/hr :: Imm/hr	2/day [d,n]	SO km :: G	N/A:: Troo
			MIMR	PM	TBD	3600	Ψ¥			22 km :: Global	N/A :: Sfc
Brewer	Precipitation Amount	1929						2::TBD	IIday, Ilseas	:: Ocean	NIA S.C.
			AIRS	PM	Susskind	1969•	BM	Zmm/day :: 1mm/day	2/day [d.n]	50 km :: G	N/A :: Tron
			AIRS	PM	Staclin	3694	¥	Zmm/hr :: 1mm/hr	2/day [d.n]	50 km :: G	N/A :: Trop
			MIMR	PM	TBD	3600	¥			22 km :: Global	N/A :: Sfc
Brewer	Radiative Flux, LW	2255							Ilday, Ilseas	:: OceanL	
		\$	CERES	TRM,AM,PM Barkstrom	Barkstrom		ВМ	5 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM, AM, PM Barkstrom	Barkstrom			5 W/m^2 :: <5 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM,AM,PM	Barkstrom	2182	BM	5 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
Brewer	Radiative Flux, LW	2256							IIday, IIseas	:: Ocean	
			CERES	TRM,AM,PM Barkstrom	Barkstrom	2168	Н	5 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM.AM.PM Barkstrom	Barkstrom		\dashv	5 W/m^2 :: <5 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM,AM,PM Barkstrom	Barkstrom	_	BM	5 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			AIRS	PM	Gentier	2177•	AM	<10:: TBD	1/day	50 km :: Ocean	N/A :: Sfc
Brewer	Radiative Flux, SW	1492							Ilday, Ilseas	:: Ocean	
			CERES	TRM,AM,PM	Barkstrom	2222	BM	10 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 de :: G	N/A Sfe
			CERES	PM.	Barkstrom	Ц	ВМ	10 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			AIRS	PM	Gautier	2233•	ΑM	<10:: <5	1/day	50 km :: Ocean	N/A :: Sfc
Brewer	Radiative Flux, SW	1493							IIday, IIseas	:: OceanL	
			CERES		Barkstrom	4	BM	10 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM,AM,PM	Barkstrom	_	BM	10 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			AIRS	PM	Gautier	2233•	AM	<10:: <5	1/day	50 km :: Ocelin	N/A :: Sfc
Brewer	Sea Ice Conc	3149						10%::1%	Ilday, Ilseas	10 km :: OceanCryo	N/A :: Sfc
			MIMR	PM	TBD	3611	BM			22 km :: Ocean/Cryo	N/A :: Sfc
Brewer	Sea_Level Height	3106						5%::1%	Ilday, Ilseas	7 km :: Ocean	NIA :: Sfc
		1	ALT		뮨		BM	10 ст ::		7 km :: Ocean	N/A :: Sfc
			ALT	_	P.	3108	BM	Scm ctal ::	1/(16 day)	25 km :: Ocean	N/A :: Sfc
Brewer	Sea_sfc Temperature (SST)	25.10						0.5 K :: 0.5 K	IIday, IIseas	30 m :: Oceanl	N/A :: Sfc
			ASTER	₩J	Welch	3620	BM			90 m :: Ocean/Cryo	N/A:: Sfc
Brever	Sea_sfc Temperature (SST)	1182						0.5 K :: 0.5 K	IIday, IIseas	20 km :: Ocean	NIA :: Sfc
			MODIS		Brown	4	BM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
		. 1	MODIS	7	Brown, Barton	_	_	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
			AIRS		Chedin, Fleming,	4	_	0.5 - 1 K :: 0.4 - 0.5 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc
		1	MODIS		Вгочи	_	AM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	4 km :: Ocean/R.L.	N/A :: Sfc
		Ĭ	MODIS	AM.PM	Carder	2580•	ΨV	150% :: 30%	1/day, 1/wk, 1/mo	20 km :: Ocean	N/A:: TOO
Brewer	Wind Speed, Sea_sfc	1710						15% :: 5%	Ilday, Ilseas	25 km :: Ocean	N/A :: Sfc
		1	MIMR		TBD	Ц	BM			39 km :: Ocean	N/A :: Sfc
			AIRS	PM	Aumann	1718•	₩		1/day	50 km :: Ocean	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Proof India Proof India Investigator Proof Main Main Proof India India Investigator Proof Main Main Proof India In		IDS Input Data Product		EQ	S Instrument	EOS Instrument Output Data Product	roduct	-	Accuracy	Temporal	Horizontal	Vertical
Figure Free Free	Investigator	Product Name	Prod #		Platforms	Investigator	Prod # N	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
MODIS AMAPH New 2011 MA 0.001.0023 2.004.04 1.01.1. MA 2.001.0023 2.004.04 1.01.1. MA 2.001.0023 2.004.04 1.01.1. MA 2.001.0023 1.01.1. MA 2	Cihla	Land sfc Emissivity, LW (8-12u)	3487						0.025 :: 0.025	10 day	125 deg :: Canada/R	NIA :: Sfc
MODIS AMAPH Blace 2311 BM 0.00 ::00 1551, 104 100				AIRS		Chedin, Fleming,	2113•	BM	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: Land	N/A :: Sfc
MODIS MAPPA New 2015 MAPPA MAPPA				MODIS		Barton	21110	BM	0.01 :: 0.01	1/day, 1/wk	50 km :: G,R	N/A :: Sfc
March Marc			I	MODIS		Wan	3324	BM	0.05 :: 0.02	l day, l wk	10 km :: Land	N/A :: Sfc
MODIS AAVIN Van. MODIS AAVIN MODIS AAV				Modis		Barton	2110	AM	0.01 :: 0.01	1/day, 1/wk	1 km :: G,R	N/A:: Sfc
Land, Schools March Marc				ASTER		Kahle, Becker, Ch		AM.	0.05-0.1 :: 0.005	1/(0.5-16 day)	90 m :: L	N/A:: Sfc
PARE Particular Particula				MODIS		Wan		Ψ	0.05 :: 0.02	l day, l wk	1 km :: Lend/R	N/A :: Sfc
MANY Notes MANY NOTE MANY	Cihlar	Land ste Reflectance Factor, MODIS	2437						100.0 :: 50.0	11(3 mo)	0.25 km :: Canada/R	NIA :: Atmos
PAR, National Vegation, (1PA) 3499 MOISS AAJPM Three 2009 BM 2003-3-209 1494, APP 110m-0,Chander 1 mm-0,Chander 1 mm-			-	MODIS		Kaufman et al	2431	BM	0.01 :: 0.005	1/day	0.25 km :: G	N/A:: Sfc
Precipiation Annual See MODIS AA-JPM Three 2009 BM 2015-2009 Modis M	Civia	PAR, Intercepted, Vegetation, (IPAR)	3498						10%::1%	l day	250-1000 m :: Canada/R	NIA :: Sfc
Principalities Annuel Since Free Free Free Free Free Free Free Fr		•	4	MODIS		Tarre	2268•	BM	200:: 5 - 20%	1/day, 1/wk	1 km :: G,R	N/A :: Atmos
AISS PM Smaked NP Smaked	Civia	Precipitation Amount	3488						0.1 mm :: 0.1 mm	I day	500m :: Canada/R	NIA :: Sfc
Procession of the control of the c		•		AIRS		Susskind	1969	BM	2mm/day :: 1mm/day	2/day [d.n]	50 km :: G	N/A :: Trop
President Annual Social Annual Annu			1	AIRS		Staclin	3694	BM	Հուու/եւ :: 1ուու/եւ	2/day [d.n]	50 km :: G	N/A :: Trop
Presidential Amount, Storm 3469 PAI Statistic 1969 AM Zhandiag 20c1 10c1 20c1 20c1 20c1 20c2				MIMR		TBD	3601	₩		l mo	1 dg :: Global	N/A :: Sfc
Auto	Civia	Precipitation Amount, Snow	3489						10% :: 10%	I wk	I km :: Canada/R	NIA :: Sfc
Solution Float 1400 Auto 1404 Auto 1404 Auto 1404 Auto 1404 Auto 1404 Auto Auto			•	AIRS		Susskind	1969	¥	Zmm/day :: 1mm/day	2/day [d.n]	50 km :: G	N/A :: Trop
Soli Notive Float 349 MODIS AAMPH Tree 2047 BM 506.:5-20% 1494, 1487 1491.5 1491			<u>-</u>	AIRS		Staelin	3694	₩	Հոսուփս ։։ Լոսուփս	2/day [d,n]	50 km :: G	N/A :: Trop
Solut Place Equivalent 367 ANPA M Tree 2007 BM 2000: 3: 20% 1404. Jun. Jun. Local R 1 Lin. Local R Solut Moisture 3691 Moisture 2007 BM 5% : 1% Inch. Jun. Local R 1 Lin. Local R 1 Lin. Local R Soli Moisture 3691 AMI TRD 3697 AM 10% : 10% 1 Lin. Local R 2 Lin. Local	Civilar	Radiative Flux	3490							I wk	1 km^2 ::	NIA :: Sfc
Soil Motifact 1991 AM-PM Hose of the control of the			•	MODIS		Tarre	2268	BM	200 :: 5 - 20%	1/day, 1/wk	1 km :: G,R	N/A :: Atmos
MODIS MAJPH Hotee 2047 BM 5% : 5% 1/mo 1 km : LanAR 1 km : LanAR 1 km : Chandal R 1 km : LanAR 1 km : Chandal R 1 km : LanAR 1 km : Chandal R 1 km : LanAR 1 km : Chandal R 1 km : LanAR 1 km : Chandal R 1 km : LanAR 1 km : Chandal R 1 km : LanAR 1 km : Chandal R 1 km : LanAR 1 km : LanAR	Civiar	Snow Water Equivalent	3491						10% :: 10%	Iwk	I km :: Canada/R	NIA :: Sfc
Soil Motitize 1 3493 Industry PMOR TTD 3460 AM 16%::10% Once				MODIS		Huete	2047	BM	5%:: 5%	1/1110	1 km :: Land/R	N/A:: Sfc
No. No.	Cihlar	Soil Moisture	3493						10% :: 20%		I km :: Canada/R	NIA :: Sfc
Soil Spectral chancle is a light of the control of Soil Spectral chancle size in the control of the chancle size in the cha				MIMR		TBD	3605	Ψ¥			60 km :: Land	N/A:: Sfc
Topographic Elevation, Land, 3fg ASTER AAH Polisconi et al 2218 BM TBD:::c065.0085 14(2:16 day) 90 m::Land/R.L. Topographic Elevation, Land, 3fg ASTER AAH Kashe, Old 2245 AAH 10m::10m 1/m::sion 15 m::Land/R.L. Vegetation Engoreau 3497 ASTER AAH Kashe, Ida 2246 AAH 10m::10m 1/m::sion 15 m::Land/R.L. Vegetation Fuglectace Factor 3500 AAH AAH Kaufmen et al 2426 AAH 10m::10m 1/m::sion 15 m::Land/R.L. Vegetation Fuglectace Factor 3500 AAH AAH Kaufmen et al 2426 AAH 10m::00m 1/m::00m 1/m::Canada/R 10m::Land/R.L. Vegetation Fuglectace Factor 3500 AAH AAH Kaufmen et al 2420 BAH 10f;:25,50% 1/day 1/d	Cihlar	Soil Spectral-characteristics	3494						5% :: 10%	once	250-1000 m :: Canada/R	NIA :: Sfc
MODIS AAJP Gordon 244 BM 10% 10% 104, 1 lot, 1 lo		-		ASTER		Palhaconi et al	23.78	BM	TBD :: 0.065-0.085	1/(2-16 day)	90 m :: Land/R,L	N/A:: Sfc
Vegetation Engage Relevation, Lond aff 3455 ANI Schie, IGT 2244's ANI Schie, IGT 2344's ANI Immidge 1/34 1/14 1/			•	MODIS		Gordon	2345	BM	10%:: 5%	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R,L	N/A :: Atmos
ASTER AMI Kable, IGI 2846 AM >50m:: >30m Imission 15m:: LandRL 30m:: LandRL Vegetation Engorant 3497 ANSTER AMI Diner 2846 AM >50m:: Land 15m:: LandRL 15m:: LandRL Vegetation Fides, Leaf Area (LAI) 3497 ANJI Schmigge 1791 BM 1 mm/day:: 0.5 mm/day 1 mk 500 m:: LandRL Vegetation Fides, Leaf Area (LAI) 3499 MODIS AM,PM Running 2860* BM 1 mm/day:: 0.5 mm/day 1 mk 90m:: LandRL Vegetation Reflectance Factor 3500 MODIS AM,PM Running 2860* BM 1 lday; lowt 90m:: LandRL 1 lm:: Gnodal/R Vegetation Reflectance Factor 3500 MODIS AM,PM Kaufmen et al. 2429 BM 1 lday; lowt 90m:: LandRR 1 lm:: Gnodal/R MODIS AM,PM Kaufmen et al. 2430 BM 0.01:: 0.005 1 lday 0.55m:: Gnodal/R MODIS AM,PM Mules, Straiber 234	Cihlar	Topographic Elevation, Land sfc	3495						5-10 m ::	OUCE	30 m :: Canada/R	10 m :: Sfc
Vegetation Engine Land Net Control (NE) AMISS AMISS Dinor 2946 + AM IOO m.: IOO m.: IOO m I/finision 500m:: Land CL Vegetation Fugication Fugication Reglectance Factor ASTER AMISS AMIS				ASTER		Kahle, JGI	2828	AM	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc
Vegatation Evaporate 3497 ANTER AMI Schmugge 1791 BM Immodates in Consolidated 170% in its consolidated 17				MUSR		Diner	2846*	AM	100 m :: 100 m	1/mission	500 m :: Land	N/A :: Sfc
Vegetation Index, Leaf Area, (LAI) ASTER AMI Schmugge 1791 BM I mmv/day:: 0.5 mm/day 90 m:: Land/R.L. Vegetation Index, Leaf Area, (LAI) 3499 AM.PM Running 2680 BM 0.105::: 0.007 1/day, 1/wt pixel:: size:: Land/G.R.L. 1 Vegetation Reflectance Factor 350 MODIS AM.PM Tarree, Muller 2429 BM 0.01::: 0.005 1/day, 1/wt pixel:: size:: Land/G.R.L. 1 MODIS AM.PM Tarree, Muller 2429 BM 0.01::: 0.005 1/day 0.25 km:: G 0 MODIS AM.PM Kaufman et al. 2439 BM 0.01::: 0.005 1/day 0.25 km:: G 0 MODIS AM.PM Kaufman et al. 2430 BM 0.01::: 0.005 1/day 0.25 km:: G 0 Vegetation Reflectance, Bi-dir ectional, IBRL 3496 MoDIS AM.PM Muller, Strahler 243 BM 556::: 256 1/(2+16 day) [d] 1.1/2+16 day) 1.1/2+16 day) [d] 1.1/2+16 day) 1.1/2+16 day) 1.1/2+16 d	Cihlar	Vegetation Evaportans	3497						20% :: 5-20%	I day, I wk	500 m :: CanadaiR	NIA :: Sfc
Vegetation Reflectance Factor 3509 AM-PIM Running 2860° BIM 0.1-0.25:: 5-20% 1 km², 1 km² 1 km; Canadal/R 1 Vegetation Reflectance Factor 3300 MODIS AM-PIM Tarree, Muller 2430° BIM 0.1-0.25:: 5-20% 1 kdy. 250-1000 m; Canadal/R 1 NoDIS AM-PIM Tarree, Muller 2430° BIM 0.01:: 0.005 1 kdy 0.5 km; G MODIS AM-PIM Kaufman et al 2431° BM 0.01:: 0.005 1 kdy 0.5 km; G MODIS AM-PIM Kaufman et al 2431° BM 0.01:: 0.005 1 kdy 0.5 km; G Vegetation Reflectance, Bi-directional, (BRZ AM-PIM Kaufman et al 2431° BM 0.01:: 0.005 1 kdy 0.5 km; G Vegetation Reflectance, Bi-directional, (BRZ AM-PIM Kaufman et al 2431° BM 5%:: 3% 1 kdy 0.25 km; G Vegetation Reflectance, Bi-directional, (BRZ AM-PIM AM-PIM Kaufman et al 2431° BM 5%:: 3% 1 kdy				ASTER		Schmugge	1791	BM	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A :: Sfc
Vegetation Reflectance Factor 3500 AM.PM Running 2880° BM 0.1-0.25:: 5.20% 1/day. pitel. size:: LandG.R.L. 1 Vegetation Reflectance Factor 3500 AM.PM Tarre, Muller 2420° BM 0.01:: 0.001 1/day 250-1000 m.: Canada/R 1 MODIS AM.PM Kaufrmen et al. 2430 BM 0.01:: 0.005 1/day 0.5 km:: G 0 MODIS AM.PM Kaufrmen et al. 2431 BM 0.01:: 0.005 1/day 0.5 km:: G 0 Vegetation Reflectance, Bi-directional, (BRL. 3496 MISR AM.PM Muller, Strahler 2434 BM 5%:: 3% 1/day 0.55 km:: G Vegetation Reflectance, Bi-directional, (BRL. 3496 MISR AM.PM Muller, Strahler 2434 BM 5%:: 3% 1/day 0.55 km:: G Vegetation Reflectance, Bi-directional, (BRL. 3496 MISR AM.PM Direct 2631 BM 5%:: 2% 1/day 0.55 km:: G HIRIS AM.R. Listin, Wesserman 2434 B	Cihlar	Vegetation Index, Leaf Area, (LAI)	3499						10%:: 1%	l wk	I km :: Canada/R	NIA :: Sfc
Vegetation Reflectance Factor 3500 AM.PM Tarre, Muller 2424* BM 155s.: 5.8% 1/day, 1/wk 1 km:: GR MODIS AM.PM Tarre, Muller 2424* BM 001:: 0.005 1/day 1 km:: GR 1 km:: GR MODIS AM.PM Kaufman et al. 2430 BM 0.01:: 0.005 1/day 0.5km:: G 1 km:: G MODIS AM.PM Kaufman et al. 2431 BM 0.01:: 0.005 1/day 0.5km:: G 0.5km:: G MODIS AM.PM Kaufman et al. 2431 BM 0.01:: 0.005 1/day 0.5km:: G 0.5km:: G MODIS AM.PM Kaufman et al. 2431 BM 5%:: 3% 1/day 0.5km:: G 0.01:: 0.005 1/day 0.5km:: G MODIS AM.PM Muller, Srahler 2434 BM 5%:: 3% 1/day 0.5km:: G 1/day 0.5km:: G MISS AM.S AM Diner 2631 BM 5%:: 2% 1/d:: 6day)[d] 240 m:: R	-			MODIS	AM.PM	Running	2680*	BM	0.1-0.25 :: 5-20%	1/day, 1/wk	pixel_size :: Land/G,R,L	N/A:: N/A
MODIS AM-PM Terree, Muller 2424 BM 15%.:5 -8% 1/day 1 km :: GR MODIS AM-PM Kaufman et al. 2429 BM 001:: 0.005 1/day 1 km :: G 1 km :: G MODIS AM-PM Kaufman et al. 2431 BM 0.01:: 0.005 1/day 0.25 km :: G MODIS AM-PM Kaufman et al. 2431 BM 0.01:: 0.005 1/day 0.25 km :: G MODIS AM-PM Muller, Strahler 2431 BM 0.05:: 0.001 1 wk [for I yr) 1 km :: R MISR AM Direct 2631 BM 5%:: 2% 1/(5:16 day)[d] 1.92 km :: R MISR AM Direct 2632 BM 5%:: 2% 1/(5:16 day)[d] 1.04 m:: R Vegetation Structure 3502 BM 5%:: 2% 1/(5:16 day)[d] 1.0 m:: Land/L HIRIS AM2 Ustin, Wessman 2741 AM 20%:: 20% 1/(2:16 day) 30 m:: Land/L Marchin AM2 <	Cihlor	Vegetation Reflectance Factor	3500						0.05 :: 0.001	l day .	250-1000 m :: CanadalR	NIA :: Sfc
MODIS AM-PM Kaufman et al MODIS 2439 BM 0.01::0.005 1/day 1 km:: G MODIS AM-PM Kaufman et al MODIS 2430 BM 0.01:: 0.005 1/day 0.25 km:: G 0.25 km:: G MODIS AM-PM Kaufman et al MODIS 2431 BM 0.01:: 0.005 1/day 0.25 km:: G 0.25 km:: G Vegetation Reflectonce, Bi-directional, (BRL 3496 AM-PM AM-PM Muller, Strahler 2434 BM 5%:: 3% 1/day 1 km:: R 1 Vegetation Reflectonce, Bi-directional, (BRL 3496 AM-PM Diner 2631 BM 5%:: 2% 1/(5·16 day) [d] 1.92 km:: G MISR AM-PM Diner 2632 BM 5%:: 2% 1/(16 day) 30m:: Land/L Vegetation Structure 350 AM-PM Certil 2035 AM 5%:: 2% 1/(16 day) 1 km:/ Corrected R Vegetation Structure 350 AM-PM Certil 2035 AM 5%:: 2% 1/(16 day) 30m:: Land/L Milks				MODIS	AM,PM	Tarre, Muller	2424*	BM	15%::5-8%	1/day, 1/wk	1 km :: G,R	N/A:: Sfc
MODIS AM-PM Kaufman et al. 2430 BM 0.01::0.005 1/day 0.5km::G MODIS AM-PM Kaufman et al. 2431 BM 0.01::0.005 1/day 0.25 km::G Vegetation Reflectance, Bi-directional, (BRL 3496 AM-PM AM-PM Muller, Strahler 2434 BM 5%::3% 1/day 1 km::R 1 km::R Vegetation Reflectance, Bi-directional, (BRL 3496 AM-PM Diner 2631 BM 5%::2% 1/(5:16 day) [d] 1.92 km::G 1/6:canadorR MISR AM Diner 2632 BM 5%::2% 1/(16 day) [d] 240 m::R 1/6:canadorR Vegetation Structure 350::2 AM-PM Diner 2632 BM 5%::2% 1/(16 day) 30 m::Land/L 1/m:CanadorR Vegetation Structure 350::2 AM-PM AM-PM Usin, Weesman 2656 BM 5%::2 1/(16 day) 30 m::Land/L 1/m:CanadorR HRIS AM-PM Usin, Weesman 2741 AM 20%::10% 1/(16 day)				MODIS	AM,PM	Kaufman et al	2429	BM	0:01 :: 0:005	1/day	1 km :: G	N/A:: Sfc
MODIS AM-PM Kaufmen et al. 2431 BM 001::0005 1/day 0.25 km::G Vegetation Reflectance, Bi-directional, (BRL 3496 AM-PM AM-PM Muller, Strahler 2434 BM 5%::3% 1/day 1 km::R 1 km::R Vegetation Reflectance, Bi-directional, (BRL 3496 AMISR AM Diner 2631 BM 5%::2% 1/(5·16 day) [d] 1.92 km::G MISR AM Diner 2632 BM 5%::2% 1/(5·16 day) [d] 240 m::R HIRIS AM2 Gerati 2035 AM 5%::2% 1/(16 day) 30 m::Land/L Vegetation Structure 3502 BM 40%::2% 1/(2·16 day) 30 m::Land/L HIRIS AM2 Ustin, Weesman 2656 BM 40%::20% 1/(2·16 day) 30 m::Land/L HIRIS AM2 Ustin, Weesman 2741 AM 20%::10% 1/(2·16 day) 30 m::Land/L				MODIS	AM,PM	Kaufman et al	2430	BM	0.01 :: 0.005	1/day	0.5 km :: G	N/A :: Sfc
Vegetation Reflectance, Bi-directional, (BRL 3496 AM.PM Muller, Strahler 2434 BM 5%::3% 1/day 1 km:: R Vegetation Reflectance, Bi-directional, (BRL 3496 AMISR AM Diner 2631 BM 5%::2% 1/(5·16 day) 1/92 km::G 240 m:: R MISR AM Diner 2632 BM 5%::2% 1/(5·16 day) 30 m:: Land/L 1 km:: Canadar/R Vegetation Structure 3502 AM AM2 Gerati 2035 AM 5%:: 5% 1/(16 day) 30 m:: Land/L HIRIS AM2 Ustin, Weesman 2265 BM 40%:: 20% 1/(2·16 day) 30 m:: Land/L HIRIS AM2 Ustin, Weesman 2741 AM 20%:: 10% 1/(2·16 day) 30 m:: Land/L				MODIS	AM,PM	Kaufman et al	2431	BM	0.01 :: 0.005	1/day	0.25 km :: G	N/A :: Sfc
Vegetation Reflectance, Bi-directional, (BRL 3496) AMSR AM Diner 26.31 BM 5%:: 2% 1/(5-16 day) [d] :: Canada/R 1/92 km:: G MISR AM Diner 26.32 BM 5%:: 2% 1/(5-16 day) [d] 1,92 km:: G 240 m:: R MISR AM Diner 26.32 BM 5%:: 2% 1/(16 day) 30 m:: Land/L 1 Vegetation Structure 3502 AM 20.35 AM 5%:: 5% 1/(16 day) 30 m:: Land/L 1 HIRIS AM2 Ustin, Weestman 26.56 BM 40%:: 20% 1/(2-16 day) 30 m:: Land/L 1 HIRIS AM2 Ustin, Weestman 274 i AM 20%:: 10% 1/(2-16 day) 30 m:: Land/L				MODIS	AM,PM	Muller, Strahler	2434	ВМ	5%:: 3%	1/day	1 km :: R	N/A:: Sfc
MISR AM Diner 2631 BM 5%::2% 1/(5·16 day) [d] 1.92 km::G MISR AM Diner 26.32 BM 5%::2% 1/(5·16 day) [d] 240 m::R HIRIS AM2 Gerati 2035 AM 5%::5% 1/(16 day) 30 m::Land/L Vegetation Structure 350 AM2 Ustin, Weesman 256 BM 40%::20% 1/(2·16 day) 30 m::Land/L HIRIS AM2 Ustin, Weesman 274i AM 20%::10% 1/(2·16 day) 30 m::Land/L	Cihlar	Vegetation Reflectance, Bi-directional, (BR.	9616 2						0.05 :: 0.001	I wk (for I yr)	:: Canada/R	NIA :: Sfc
MISR AM Diner 2632 BM 5%:: 2% 1/(5·16 day) 240 m:: R HIRIS AM2 Gerati 2035 AM 5%:: 5% 1/(16 day) 30 m:: Land/L 1 m:: Canadas/R Vegetation Structure 3502 AM2 Ustin Lostin 2656 BM 40%:: 20% 1/(2·16 day) 30 m:: Land/L HIRIS AM2 Ustin, Weestman 274 i AM 20%:: 10% 1/(2·16 day) 30 m:: Land/L				MISR	ΨV	Dina	2631	BM	5%:: 2%	1/(5-16 day) [d]	1.92 km :: G	N/A :: Sfc
Vegetation Structure 350 and Land/L AM2 Genstl 2015 AM 5% :: 5% 1/(16 day) 30 m :: Land/L Land/L Vegetation Structure 3502 AM2 Ustin Losin 2656 BM 40% :: 20% 1/(2·16 day) 30 m :: Land/L HIRIS AM2 Ustin, Weestran 2741 AM 20% :: 10% 1/(2·16 day) 30 m :: Land/L				MISR	AM	Diner	2632	BM	5% :: 2%	1/(S-16 day) [d]	240 m :: R	N/A :: Sfc
Vegetation Structure 3502 AM2 Ustin 26.56 BM 40%:: 20% 1/(2·16 day) 30 m:: Land/L HIRIS AM2 Ustin, Weestman 274 i AM 20%:: 10% 1/(2·16 day) 30 m:: Land/L				HIRIS	AM2	Gerat	2035	ΨV	5% :: 5%	1/(16 day)	30 m :: Land/L	N/A:: Sfc
HIRIS AM2 Ustin, Wesstran 2741 AM 20% :: 10% 1/(2-16 day) 30 m :: Land/L	Cihla	Vegetation Structure	3502								I km :: Canada/R	NIA :: Sfc
AM2 Ustin, Wessman 2741 AM 20% :: 10% 1/(2-16 day) 30 m :: Land/L				HIRIS	AM2	Ustin	-+	BM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
				HIRIS	AM2	Ustin, Wessman	_	Æ	20% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

International Protocol Proto												
Varieties Taylories 1904 100	Invectiontor	Droduct Nome	1	CT .	S instrument	Output Data	Toduct		Accuracy	Temporal	Horizontal	Vertical
March September 100 March Ma	III VESUIS ALUE	r roduct ivame	LT00 #	Instr.		Investigator	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
March Marc	CINION	Vegetation Temperature	3503						0.5 K :: 1.0 K	l day	250-1000 m :: Canada/R	NIA :: Sfc
Vegetion Type 3544 ATTIR AAVI Mobble Backer 2344 BM 14.8 ± 15.95 10.01 ± 15.04 10.00 ± 15.				MODIS	T	Wan		W.	10::10	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc
1984 1985 1994 1985 1995				ASTER	įΨ	Kahle, Becker, C	ı	EM M	1-6 K :: 0.3 K	1/(2-16 day)	90 m :: Land	N/A :: Sfc
HIRIS AND Wiemen 2044 BM 10% 10%	Cintor	Vegetation Type	3504						15% :: 15%	once	100 m :: Canada/R	NIA :: Sfc
MANA Colore MANA Color				HIRIS		Wessman	2644	BM	10% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
March Marc		•		HIRIS		Ustin et al	2746	¥	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
According 200 According 350 According				ASTER	\exists	Gillespie	2747	¥			15 m:: Land/R,L	N/A :: Sfc
Monosi Eseccien 130				MODIS		Justice, Huete et a	2750	W	10.01 :: 0.01	1/day, 1/wk, 1/mo	0.5 km :: Land/R	N/A :: Sfc
Abbaba, Code 374 Abbaba, Code 315 BM 1091; 549 1107	Dickinson	Aerosol Backscatter	3368								<0.5-1 deg :: G	
Alberto, Count. 1974 Alberto, Count. 1				MODIS		Gordon	2345	BM	10% :: 5%	1/day, 1/wk, 1/mo	20 km :: Ocean/G.R.L.	N/A :: Atmos
Abbetic Closed 1811 ASSOCIATION Abbotic Closed 1811 ASSOCIATION Abbotic Closed 1811 ASSOCIATION Abbotic Closed 1812 AAAC Abbotic Closed 1814 ABAC Abbotic Closed 1815 AAAC Abbotic Closed 1814 ABAC ABAC Abbotic Closed 1814 ABAC ABAC Abbotic Closed 1814 ABAC A	Dickinson	Aerosol Extinction	3374							2000	20 5.1 400 6	SOUTH COLUMN
Abbeta, Count				 	~	McCormick	1012	BM	5% :: 5%	1//2 min) 30/dav	2 = 1 de :: G	1 km : 0.40 km
MODIS MODI	Dickinson	Albedo, Cloud	3361							(2000)	0 :: 95 :: 5 0/	I WILL CO. LINE
Abbeto, Lond.gc 1505				HIRIS	Γ	Welch	2008	M	54 54.		G: # 5	F. 5
MODIS AAJPA There, Mailer 2010 ** BM 158-5-58 1/day, 1/ak 2014 ** BM 158-5-58 1/day, 1/ak 2014 ** SM 1/day 2016	Dickinson	Albedo, Land sfc	3363								2	: C1001
Abbedo Sea 140 Activity A		i		MODIS	Π	Turre, Muller	2016•	Æ	159 5 . 89.	1 Mey 1 Aut	0 :: San 1-Cox	MIA CC.
Models Sea Let 130 Models Model				AIRS		Cantier ??	2000			1/400	50 km :: 1 and	310 :: A/M
Abbedo, Sea Jee 3164 ASTER AMI				MODIS	Г	Tarre, Muller	2015*	WA	154 5. 84.	1/400 1/40/	DOKAL :: MADO	N/A :: SIC
APPReb, Soury 354 ANI Weich 3624 BM S\$2.1\$4 BM S\$2.1\$5 BM S	Dickinson	Albedo, Sea Ice	3362							1,000); (/m.	A,O IIM I	DIC :: A/A
Albedo, Novo 1364 HIRIS AAA2 Dasier 2440 BM 546.; 1% 1/04, 1/100 1			-	ASTER	2000000	Weich	3624	2			CUS-1 deg :: Ocean(Cryo	20 1111
HINES AND Design 2440 BN 548;146 I/AL, I/MO HINES AND Design 2540 BN 548;146 I/AL, I/MO GOST-Lead GOST-Lea	Dickinson	Albedo Saom	77.			inais :	232				VUIII: Ocean/Cryo	N/A :: Sfc
Miske, Total Miske Miske Miske, Miske Miske, Miske Miske, Miske			500	51 411				;			High res :: Land	
MISS AMP Deer 2011 BM C=0.03:0.01 I/G:16 day)[c] C St. deg.:C		7 (1 7 1 7		HIKES	I	Dozier	2440	BM BM	5%:: 1%	1/wk, 1/mo	50 m :: Land/L	N/A :: Sfc
MISR AMP Dines 2511 BM C=0.01::0.01 1/51 ted.y) 1.92 ten.; G	DICKLASON	Albedo, I UA	3365								<0.5-1 deg :: G	
MODIS AM.PM Multer, Sranker, 7, 1867* BM SS :: 134 1,00 to 1,00				MISR		Diner	2011	BM	<=0.03 :: 0.01	1/(5-16 day) [d]	1.92 km :: G	N/A:: TOA
Abbelo, Vegatation 1305				MODIS		Muller, Strahler, 7	3667	BM	5%:: 3%	1/day	1 km::Land/R	N/A:: TOA
Abbelo, Vegation 130	:			MISK	I	Diner	3679	₹	<=0.03 :: 0.01	9,16 day; mo; seas; yr	1.92 km ? :: G	N/A:: TOA
Abbelo, Vegetation 3307 MLSR AM Diner 2021 BM C=0.00::0.01 1/(5.16 day) [c] High rest: Land Hoolis AM-PM Tarret, Muller 2012 BM 15%::3% 1/day 1/(16 day) [c] 1/(16 day)	Dickinson	Albedo, Vegetation	3366								High res :: Land	
Miss Abbeto, Vegetation 1307 Miss AMPM Multire, Sankler, 2012 BM C-0.03 : 0.01 1/61 fody) [d] 1/92 km : d				MISR		Diner	2021•	BM	<=0.03 :: 0.01	1/(5-16 day) [d]	240 m :: R	N/A :: Sfc
MODIS AM_PM Mailer, Stanker, 3655 BM 556; 356 1/day 1/day 1/m::Land/R 1/m:Land/R 1/	Dickinson	Albedo, Vegetation	3367								High res :: Land	
MODIS AM_PM Tarre, Multer, Strabler, 3665 BM 15%5% 1/day, 1/wk 1 km.: LandR 1 km.: LandR 1 km.: CR MODIS AM_PM Multer, Multer 2015 BM 15%5% 1/day, 1/wk 1 km.: CR 1 km.: CR				MISR		Diner	2022	BM	<=0.03 :: 0.01	1/(5-16 day) [d]	1.92 km :: G	N/A :: Sfc
CO Conc 3325 MODIT Tames, Muller 2015* BM 158,:15.8% 1(Aby, 1/wk 1 km; CR CO Conc 3325 MOPTT AMI Drummond 1129 AM ::1096 1/(16 day) 16 x 5 km; CD Cloud Cover 3341 AMSTER AMPM Salomonson? 3641 BM ::3ppb 1/(16 day) 16 x 5 km; CD Cloud Cover 3344 AMSTER AMJPM Salomonson? 3641 BM 1/(16 day) 0.25 km; CD 1/(16 day) 0.25 km; CD Cloud Cover ASTER AMJPM King 2081 BM 3%; :3% 1/(16 day) 90 m; L 1/(16 day) 90 m; L Cloud Cover ASTER AMJPM King 2081 BM 3%; :3% 1/(16 day) 90 m; L 1 Cloud Cover ASTER AMJPM King 2081 BM 3%; :3% 1/(16 day) 1 25 km; CG Cloud Cover ASTER AMJPM King 2081 BM 3%;			•	MODIS		Muller, Strahler, 7	3665	BM	5%:: 3%	1/day	1 km :: Land/R	N/A :: Sfc
Court Cover 3325				MODIS		Tarre, Muller	2015	BM	15%:: 5 - 8%	1/day, 1/wk	1 km :: G,R	N/A :: Sfc
Cond Cover 3344 CRRS AMPM Salomoreson? 204 1104 11/16 day) 16 x 5 km; G Cloud Cover 3344 AMPM Salomoreson? 364 BM 1046; 154 1/10 day) 16 x 5 km; G Cloud Cover 3344 AMPM Salomoreson? 2081 BM 3%; 134 1/10 day) 90 m; L Cloud Cover 3344 AMPM King 2081 BM 3%; 134 Mod res: G Cloud Cover 3345 AMPM King 2081 BM 104; 134 1/10 day) 90 m; L Cloud Cover 3345 AMPM King 2081 BM 5%; 134 Mod res: G Cloud Cover 3345 AMPM King 2081 BM 5%; 134 1/10 day) [4:n] 20 km; G Cloud Cover 3345 AMPM King 2081 BM 5%; 134 1/10 day [4:n] 10 m; E Cloud Cover 3346 MODIS AMPM King 2081 BM 5	Dickinson	CO Conc	3325									
Cloud Cover 3343 TES CHEM Rec 1129 AM ::3 ppb 1/(16 day) 16 x S km; G Cloud Cover MODIS AM_PM Salomorson? 3641 BM 10%;: 5% 1/mo (day & night) 0.25 km; G Cloud Cover 3344 ASTER AM_PM King 2081 BM 3%;: 2% 1/(16 day) 90 m; L Cloud Cover 3345 AM_PM King 2081 BM 3%;: 2% 6/day [d.n], 1/mo 5 km; G Cloud Cover 3345 TRM,AM,PM Barkstrom 2086 BM 5%;: 2% 6/day [d.n], 1/mo 1.25 x 1.25 dg; G Cloud Drop Phase 3346 MODIS AM,PM King 2082 BM 5%;: 2% 1/day [d.n], 1/mo [d.yg] 1.25 x 1.25 dg; G Cloud Drop Phase 3346 MODIS AM,PM King 2082 BM 5%;: 2% 1/day [d.n], 1/mo [d.yg] 1.4g;: G Cloud Drop Phase 3346 AM,PM King, Menzel 1765 BM 90%; Cordf;: 90%; Cordf			•	MOPITI		Drummond	1126	BM	:: 10 %	1/(0.4 s) [?]	22 km :: G	3-4 km:: 0-15 km
Cloud Cover 3343 AM_PM Salomoneson? 3641 BM 1006.: 556 1/mo (day & night) High res :: G Cloud Cover 3344 ANI Welch 2080 BM 3% :: 3% 1/(16 day) 90 m :: L Cloud Cover 3344 AM_PM King 2081 BM 10% :: 5% 2/day [d.n], 1/mo 5km :: G Cloud Cover 3345 CERES TRM_AM_PM Barkstrom 2086 BM 5% :: 2% 6/day [d.n], 1/mo 5km :: G Cloud Cover 3345 CERES TRM_AM_PM Barkstrom 2086 BM 5% :: 2% 6/day [d.n], 1/mo [Avg], 1/mo 10.5x x 1.25 dg :: G Cloud Drop Phase 3346 MODIS AM_PM King 2082 BM 10% :: 5% 1/day [Avg], 1/mo [Avg] 11 dg :: G Cloud Drop Phase 3346 MODIS AM_PM King, Menzel 1765 BM 90% Conf :: 90% Conf 6/day [d.n] 235 km :: G				TES		Beer	1129	₩	:: 3 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
Cloud Cover 3344 ASTER AM.PM Salomoneson? 3641 BM 10%::3% 1/flo day) 0.25 km::G Cloud Cover 3344 ASTER AM.D Welch 2080 BM 3%::3% 1/flo day) 90 m::L Cloud Cover 3344 AM.DM King 2081 BM 5%::2% 2/day [d.n], 1/mo 5 km::G 100 mir. Cloud Cover 3345 CERES TRM,AM.PM Bartstrom 2086 BM 5%::2% 6/day [d.n] 1.0w res::G 1.0w res::G Cloud Drop Phase 3346 AM.DM King 2088 BM 5%::2% 1/day [d.n] 1.25 s.1.25 dg::G 1.0w res::G Cloud Drop Phase 3346 AM.DM King 2082 BM 5%::2% 1/day, 1/mo 1.0s i.g Co.5.1 dag::G 1.0s i.g Co.5.1 dag::G	Dickinson	Cloud Cover	3343								High res :: G	
Cloud Cover 3344 AASTER AMI Welch 2080 BM 3%::3% 1/(16 day) 90 m::L Cloud Cover 3344 AM.DMS AM.PM King 2081 BM 10%::3% 2/day [d.n], 1/mo \$km::G Med res::G Cloud Cover 3345 CERES TRM,AM.PM Bartstrom 2088 BM 5%::2% 6/day [d.n] 1.25 km::G Low res::G Cloud Drop Phase 3346 AM.DM King 2082 BM 5%::2% 1/day [d.n] 1.25 x1.25 dg::G 1 Cloud Drop Phase 3346 AM.DM King, Menzel 1765 BM 90%.Conf.: 90%.Conf.: 90%.Conf. 1/day, 1/mo 1 dg::G CO.5-1 dag::G Cloud Drop Phase 3346 AM.DM King, Menzel 1765 BM 90%.Conf.: 90%.Conf.: 90%.Conf. 1/day, 1/mo 1 dg::G CO.5-1 dag::G Cloud Drop Phase 3346 AM.DM King, Menzel 1765 BM 90%.Conf.: 90%.C				MODIS	П	Salomonson?	3641	BM	10% :: 5%	1/mo (day & night)	0.25 km :: G	N/A :: Cloud
Cloud Cover 3344 AM.DMS AM.PM King 2081 BM 10%::5% 2/day [d.n], 1/mo 5 km::G Ned res::G Cloud Cover 3345 CERES TRM,AM,PM Bartsarom 2086 BM 5%::2% 6/day [d.n] 25 km::G Low res::G Cloud Cover 3345 CERES TRM,AM,PM King 2088 BM 5%::2% 1/day [d.n] 1.25 km::G Low res::G Cloud Drop Phase 3346 AM,PM King 2082 BM 10%::5% 1/day, 1/mo 1 dg::G Co.5.1 deg::G Cloud Drop Phase 3346 AM,PM King, Menzel 1765 BM 90% Conf.::90% Conf.::90				ASTER		Welch	2080	BM	3%:: 3%	1/(16 day)	90 m :: L	N/A :: Cloud
CERES TRM,AM,PM King 2081 BM 10%:: 5% 2/day [d.n], 1/mo 5 km:: G Cloud Cover 3345 CERES TRM,AM,PM Bartstrom 2088 BM 5%:: 2% 6/day [d.n] 25 km:: G Low res :: G Cloud Drop Phase MODIS AM,PM King 2088 BM 5%:: 2% 1/day [d.n] 1.25 s 1.25 dg:: G 1 Cloud Drop Phase 3346 AM,PM King 2082 BM 10%:: 5% 1/day, 1/mo 1 dg:: G C Cloud Drop Phase 3346 AM,PM King, Menzel 1765 BM 90% Conf.: 90% Conf. 1/day, 1/mo 1 dg:: G Cloud Drop Phase 3346 Barkstrom 1765 BM 90% Conf.: 90% Conf.: 90% Conf. 1/day, 1/mo 1 dg:: G	Dickinson	Cloud Cover	3344								Med res :: G	
Cond Cover 3345 CERES TRM,AM,PM Bartstrom 2086 BM 5%::2% 6/day [d.n.] 25 km::G Low res ::G Cloud Cover 3345 CERES TRM,AM,PM King 2088 BM 5%::2% 1/day [Avg], 1/mo [Avg] 1.25 s 1.25 s 1.25 dg::G 1 Cloud Drop Phase 3346 AM,PM King, Menzel 1765 BM 90% Confl::90% Confl::				ᆉ	AM.PM	King	2081	BM	10%:: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud
Cloud Cover 3345 CERES TRM,AM,PM Bartstrom 2088 BM 556.: 256 1/day [Avg], 1/mo (Avg] Low res.: G MODIS AM,DM King 2082 BM 1056.: 556 1/day, 1/mo 1 dg.: G 1 Cloud Drop Phase 3346 AM,DM King, Menzel 1765 BM 90% Conf.: 90% Conf.: 90% Conf. 1/day, 1/mo 1 dg.: G Cloud Drop Phase 3346 AM,DM King, Menzel 1765 BM 90% Conf.: 90% Conf.: 90% Conf. 1/day, 1/mo 1 dg.: G CERES TRM,AM,PM Barkstrom 1768 BM 90% Conf.: 90% Conf.: 90% Conf. 6/day [d.] 23 km.: G			Ī	1	TRM,AM,PM	Barkstrom	2086	BM	5% :: 2%	6/day [d,n]	25 km :: G	N/A :: Atmos
CERES TRM,AM,PM Barkstrom 2088 BM 5%::2% 1/day, 1/mo (Avg), 1/mo (Avg) 1.25 x 1.25 dg::G Cloud Drop Phase 3346 AM,DM King, Menzel 1765 BM 90% Confl::90% Confl::	Dickinson	Cloud Cover	3345								Low res :: G	
Cloud Drop Phase 3346 AM_PM King 2082 BM 10%:: 5% 1/day, 1/mo 1 dg:: G Cloud Drop Phase 3346 AM_PM King, Menzel 1765 BM 90% Conf.: 9				┪	_	Barkstrom	2088	BM	5%:: 2%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
Cloud Drop Phase 3346 AM.PM King, Menzel 1765 BM 90% Conf :: 90% Conf 1/day, 1/mo 1 dg :: G CERES TRM.AM.PM Burkstrom 1768 BM 90% Conf :: 90% Conf :: 90% Conf 6/day [d.n] 25 km :: G				MODIS		King	2082	BM	10%:: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
AM_PM King, Menzel 1765 BM 90% Conf :: 90% Conf	Dictinson	Cloud Drop Phase	3346								<0.5-1 deg :: G	
TRM_AM_PM Barkstrom 1768 BM 90% Conf.: 90% Conf. 6/dsy [d.n.] 25 km:: G				+	П	King, Menzel	1765	BM	90% Conf :: 90% Conf	1/day, 1/mo	1 dg :: G	N/A :: Cloud
				\neg	TRMAM,PM	Barkstrom	1768	BM	90% Conf :: 90% Conf	[u,b] yeb/6	25 km :: G	N/A :: Atmos

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Proof # Instr. Pietforma Investigator Proof # Match 1966 Class TRAAAAPA Instrement 1766 AM SOCACI SOCACI Control Class C		IDS Innut Data Product		Č	S Instrument	Outnut Data P.	roduct	_	Accuracy	Temporal	Horizontal	Vertical
Chail Pay Stat 150 CERN TANALAND Balterine 170 AM State Care State Chail Pay State 150 CERN TANALAND Balterine 170 AM State Chail Pay State 150 CERN TANALAND Tenter 170 AM State Chail Pay State TANALAND Tenter 170 AM State Chail Pay State TANALAND Tenter 170 AM State Chail Pay State Ch	Investigator	4	Prod#	Instr.	Platforms	Investigator	Prod # N	fatch	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Coad Pay Star 154 Coad Pay Star den bades 154 Coad Pay Star den ba	Dickinson	Cloud Drop Phase	3346	\vdash		Barkstrom	1767	ΨV	90% Conf :: 90% Conf	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
Cond Pay Stat 1977 EOP ARBOAND Institute 1774 BM 255s_1376 (1day Gal) G			L	EOSP		Travis	1770	ΑM	:: 95% Corr	1/day [d]	100 km :: G	N/A :: Cloud
Closed Proprieted 1916 100 mm columns 1914 1814 1916	Dickinson	Cloud Drop Size	3347	-							<0.5-1 deg :: G	
Count Injury Count Injury Count Injury Inju			ı	EOSP		Travis	1774	ВМ	25% :: 25%	1/day [d]	100 km :: G	N/A :: Cloud
Cloud Depth Life March M			1		_	Barkstrom	1784	BM	30%:: 10%	(day [d,n]	25 km :: G	N/A:: Atmos
Charle Day Starten Day Charle Day Start Canad Day Start Ca				MODIS		King, Menzel	1781	AM.	0-40% :: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
Cloud Prop Size-discribution 154 Cloud Facility Facili			1	MODIS		King, Menzel	1780	ΑM	0-40% :: 5%	1/day	5 km :: G	N/A :: Cloud
Cloud Day Star Attribution 1346 MISS AAZ Week 1776 BM 100 - 100 - 100 100 - 100 - 100 100 - 100 - 100 100 - 10			·	\vdash		Barkstrom	1783	AM	30% :: 10%	1 day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
The control of the	Dickinson	Cloud Drop Size-distribution	3348								<05-1 deg :: G	
Cloud Distance 1377 ANITA ANIT			1	HIRIS		Welch	1776	BM	20% :: 10%	1/(2-16 day)	30 m :: L	:: Cloud
Cloud Finitivity 137 MODIS AAJPM Memori 2126 BN 0.010; 0.05 1/40y, 1/40 241-144; 0.0			J	ASTER		Welch	3627	BM		1/(16 day)	90 m :: L	N/A:: Cloud
MODIS AAAPM Mencel 2126 BN 0.010; 0.05 2,649 Color C	Dickinson	Cloud Emissivity	3372								<0.5-1 deg :: G	
MODES AMPN Mones 212 BM 0.00 :: 0.00 1 May, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,			1	MODIS	Γ	Merzel	2126	BM	0.10 :: 0.05	2/day	5 km :: G	N/A :: Cloud
Cloud High, Rate 312 Cloud High, Rate 134 CRES TRA,AAMPA Bartarom 1355 BM 10 Ibm; 0.1 Ibm Idm Idm			1	MODIS	Ī	Merzel	2127	BM	0.10:: 0.05	1/day, 1/mo	1 dg :: G	N/A :: Cloud
Cloud Height, Ruser 3147 CRESS TRALAMPH Bacteron 1450 BM 10 ton; = 0.1 ton 1454 CAS , Interpretation 1450 BM 10 ton; = 0.1 ton 1454 CAS , Interpretation 1450 BM 10 ton; = 0.1 ton 1454 CAS , Interpretation 1450 BM 10 ton; = 0.1 ton 1454 CAS , Interpretation 1450 BM 10 ton; = 0.1 ton 1454 CAS , Interpretation 1450 BM 10 ton; = 0.1 ton 1454 CAS , Interpretation 1500 CAS TRALAMPH Bacteron 1500 BM 1554 CAS , Interpretation 1500 CAS				AIRS	Γ	Chahine, Smith	2128	BM	0.05 :: 0.025	2/day [d.n]	15 x 15 - 15 x 45 km :: G	N/A :: Cloud
Cloud Diegh, Top 1399 TRALAMIPM Bacteron 1509 BM 1.0 tm; 0.1 tm 1449 Avgl; 14m0 Avgl; 0.5 tm 0.0 state; 0.0 stat	Dickinson	Cloud Height, Base	3342									
Cloud High, Top 7149 CERES TRM, MAJ, PM Bartstorm 1432 BM C100 m; c1000 m (45 t6 day) [e] 15.15 4g; CG		0		CERES	TRM, AM, PM	Barkstrom	1395	BM	1.0 km :: 0.1 km	1 Alay (Avg), 1/mo (Avg)	1.25 x 1.25 dg :: G	0.1 km :: Atmos
Cloud Liq-wader Coulors 1315 Cloud Liq-wader 1315 Cloud Liq-w	Dickinson	Cloud Heish. Top	3349								<0.5-1 deg :: G	
MISS AM Dilor 1432 BM C100 m: C100 m 1/5 (stay) [c] 15.15-50.30 km: C				-		Barkstrom	1430	BM	1.0 km :: 0.1 km	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	0.1 km :: Atmos
Cond Jay ware Content 3157 CERES TRALAND Bartenom 1429 AM 10 lum; 0.1 lum 0.64ay (da) 15 x 15 x 2 0 s 0 lum; 0.1 lum 0.64ay (da) 15 x 15 x 2 0 s 0 lum; 0.1 lum 0.64ay (da) 15 x 15 x 2 0 s 0 lum; 0.1 lum 0.64ay (da) 15 x 15 x 2 0 s 0 lum; 0.1 lum 0.44ay 0			1	+-	Π	Diner	1432*	BM	<1000 m :: <1000 m	1/(5-16 day) [d]	5 km :: G	N/A :: Trop
CRES TRM.AM.PM Bartarom 187 BM 75% : 10% 164p 64p 64p				AIRS		Chahine, Chedin,	1423	ΨV	0.5 km :: 0.25 km	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
Cloud Lig water Content 3157 CRES TRM,AMPM Butterom 1896 BM 754;;;; 1046 Iday [Ida] CRES TRM,AMPM Butterom 1896 AM 754;;;; 1046 Iday [Ida] CRES TRM,AMPM Butterom 1896 AM 754;;; 1046 Iday [Ida] CRES Cloud Optical Depth, 5W 3381 CRES TRM,AMPM Butterom 2316 BM 254;;; 1046 Iday [Ida] Co.5-1 deg :: G Cloud Optical Depth, 5W 3381 CRES TRM,AMPM Butterom 2316 BM 254;; 1046 Iday [Ida] Co.5-1 deg :: G Cloud Optical Depth, 5W 3382 CRES TRM,AMPM Butterom 2316 BM 254;; 1046 Iday [Ida] Co.5-1 deg :: G Cloud Optical Depth, 5W 3382 CRES TRM,AMPM Butterom 2316 BM 254;; 1046 Iday [Ida] 1.25 dg :: G Cloud Optical Depth, 5W 3382 CRES TRM,AMPM Butterom 2316 BM 254;; 1046 Iday [Ida] 1.25 dg :: G Cloud Optical Depth, 5W 3382 CRES TRM,AMPM Butterom 2316 BM 254;; 1046 Iday [Ida] 1.25 dg :: G Cloud Optical Depth, 5W 3382 CRES TRM,AMPM Butterom 2316 AM 254;; 346 Iday [Ida] 1.25 dg :: G Cloud Optical Depth, 5W Subject Cloud Optical Depth, 5W Subjec				CERES	TRM,AM,PM	Barkstrom	1429	¥	1.0 km :: 0.1 km	(day [dn]	25 km :: G	0.1 km :: Atmos
Cloud Liq-water Content 335 TRM_ANA/PM Bartarom 1895 BM 75% : 10% Iday [Arg], Inno [Arg] 1.253 1.25 dg :: 0	Dickinson	Cloud Lia-water Content	3357								<0.5-1 deg :: G	
Cloud Preserve, Toy 1331 TRM,AM,PM Backstroom 1897 BM 75% :: 10% 1/day [Avg], Ihmo [Avg], Ihmo [Avg] 1.25 x 1.25 dg :: G Cloud Uplical Depth, LW 3338 AMS No. 1897 AM :: 55% 1/day [L.mem] 22 Inc. Ocan Cloud Optical Depth, LW 3338 AMS No. 236 AM 0.1 :: 0.1 2/day [dar] 50 km :: 0 Cloud Optical Depth, LW 3348 AMS No. 236 AM 25% :: 10% 6/day [dar] 50 km :: 0 40 km :: 0 Cloud Optical Depth, LW 3340 AABA 217 AM 10% :: 5% 1/day [dar] 50 km :: 0 40 km :: 0 <th></th> <th></th> <th></th> <th>CERES</th> <th></th> <th></th> <th>9681</th> <th>BM</th> <th>75% :: 10%</th> <th>(day [d,n]</th> <th>25 km :: G</th> <th>lyr :: Atmos</th>				CERES			9681	BM	75% :: 10%	(day [d,n]	25 km :: G	lyr :: Atmos
Cloud Lig -volar Control MLDAR PAM TBD 3559 AM ::556 Idony [z. mean] 22 Am; Coentrol Cloud Lig -volar Control 3359 AMIS MO Waters 1839 AM ::556 Idony [z. mean] 0.1x 2.5 kg; 23.N 8.25 Cloud Usp volar Control 3359 AMIS PM Rocentaring 1939 AM ::556 Idony [d.m] 0.1x 2.1 dg; ::0 Cloud Opical Depth, LW 3381 TRALAMPM Barkarom 2316 AM 2556; ::10% 6/day [d.m] 50 Lm; ::0 Cloud Opical Depth, LW 3382 TRALAMPM Barkarom 2318 AM 2556; ::10% 6/day [d.m] 50 Lm; ::0 Cloud Opical Depth, SW 3382 TRALAMPM Barkarom 2318 AM 2556; ::10% 6/day [d.m] 1.25 dg; ::0 Cloud Opical Depth, SW 3382 TRALAMPM Barkarom 2312 AM 2556; ::10% 1/day [d.m] 1.25 dg; ::0 Cloud Opical Depth, SW 3382 TRALAMPM Barkarom 2312 AM 2556; ::5% 1/day [d.m] 1.05 dg; ::0				CERES			1897	BM	75% :: 10%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	lyr :: Atmos
Cloud Upincal Depth, LW MLS MO Vaters 1898 AM ::3% I/day [c.m.m.] 0.1 x.2.5 dg::82N-82S Cloud Upincal Depth, LW 3334 ARS PM Rosenkrar 1998* BM 0.1 : 0.1 2/day [d.n.] c.05.1 deg::G Cloud Opincal Depth, LW 3331 CERES TRMAMPM Barkarom 2315 AM 25%::10% 6/day [d.n.] 25 km::G Cloud Opincal Depth, LW 3332 CERES TRMAMPM Barkarom 2315 AM 25%::10% 6/day [d.n.] 25 km::G Cloud Opincal Depth, SW 3332 CERES TRMAMPM Barkarom 2315 AM 25%::10% 6/day [d.n.] 25 km::G Cloud Opincal Depth, SW 3332 CERES TRMAMPM Barkarom 2312 AM 25%::10% 6/day [d.n.] 25 km::G Cloud Opincal Depth, SW 3332 CERES TRMAMPM Barkarom 2312 AM 25%::10% 1/day [d.n.] 25 km::G Cloud Opincal Depth, SW 3332 AM,PM King 231 AM 25%::10%			•	MIMR		TBD	3598	AM			22 km :: Ocean	N/A :: Trop
Cloud Lig-water Control 335 AMS PM Resentant 1908* BM 0.1::0.1 2day [d.s] <0.5-1.deg.::O Cloud Opical Daph, LW 336 TRM_AMA/DM Bartatrom 2316 BM 25%::10% 6/day [d.s] 25 Im::G 0.05-1.deg.::G 0.0				MLS		Waters	8681	AM	:: 5%	l/day [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: Upper Trop
Cloud Opical Depth, LW 3381 CERES TRM,AM,PM Bartatrom 235 mode 6449 [da] 26449 [da] 50 km; G Cloud Opical Depth, LW 3381 TRM,AM,PM Bartatrom 2316 AM 1056; 556 1,449 [da] 25 km; G Cloud Opical Depth, SW 3382 TRM,AM,PM Bartatrom 2318 AM 1056; 556 1,449 [da] 1,25 dg; G Cloud Opical Depth, SW 3382 TRM,AM,PM Bartatrom 2318 AM 2556; 1056 1/46 by] 1,25 dg; G Cloud Opical Depth, SW 3382 TRM,AM,PM Bartatrom 2312 AM 2556; 1056 1/44y [da] 1,25 dg; G Cloud Opical Depth, SW 3382 TRM,AM,PM Bartatrom 2312 AM 2556; 1056 1/44y [da] 152 dg; G Cloud Opical Depth, SW AM,PM King 2312 AM 2556; 1056 1/44y [da] 152 dg; G AM Cloud Opical Depth, SW AM,PM King 2311 AM 2556; 1056 1/44y [da] 152 dg; G A	Dictineon	Cloud Lia-water Content	33.8								<0.5-1 deg :: G	
Cloud Optical Depth, LW 3381 CERES TRM_AM_PM Bartatrom 2317 AM 25% :: 10% 6(day [d.n]) 25 km :: G Cloud Optical Depth, LW 3382 TRM_AM_PM Bartatrom 2313 AM 25% :: 10% 6(day [d.n]) 1.25 dg :: G 25 km :: G Cloud Optical Depth, SW 3382 TRM_AM_PM Bartatrom 2313 AM 25% :: 5% 1/db kp) 1.125 dg :: G			-	AIRS	PM	Rosenkranz	1908	BM	0.1 :: 0.1	2/day [d,n]	50 km :: G	N/A :: Cloud
CERES TRM,AM,PM Bartatrom 2316 BM 25%::10% 6/day [d_m] 25 km::G CERES TRM,AM,PM Bartatrom 2317 AM 10%::5% 1/day [d_m] 1.25 dg::G Cloud Opical Depth, SW 3382 TRM,AM,PM Bartatrom 231 AM 25%::10% 3/day [d] 25 km::G Cloud Opical Depth, SW 3382 TRM,AM,PM Bartatrom 231 AM 25%::10% 3/day [d] 25 km::G MODIS AM,PM King 231 AM 20%::10% 1/day [d] 25 km::G MODIS AM,PM King 231 AM 20%::10% 1/day [d] 40 km::G MODIS AM,PM King 231 AM 20%::10% 1/day [d] 40 km::G GRASA ARS AM 20%::10% 1/day [d] 40 km::G 2200 km::G ARS AM,PM King 231 AM 20%::10% 1/day [d] 40 km::G ARS AM Some::20%	Dichineon	Cloud Optical Depth. LW	338/								<05-1 deg :: G	
CERES TRM,AM,PM Bartstrom 2317 AM 10% :: 5% 1 kby [Avg], I/mo [Avg] 1.25 dg :: G Cloud Opical Depth, SW 3382 CERES TRM,AM,PM Bartstrom 231 AM 25% :: 10% 3/day [d] 25 km :: G 25 km :: G </td <td></td> <th></th> <th></th> <td>CERES</td> <td>TRMAMPM</td> <td></td> <td>2316</td> <td>BM</td> <td>25% :: 10%</td> <td>(4b) (4h)</td> <td>25 km :: G</td> <td>N/A :: Atmos</td>				CERES	TRMAMPM		2316	BM	25% :: 10%	(4b) (4h)	25 km :: G	N/A :: Atmos
CERES TRM_AM_PM Bartstrom 2318 AM 25%:: 5% 1/6 (br) 1,25 g:: G Cloud Optical Depth, 5W 3382 CERES TRM_AM_PM Bartstrom 231 BM 25%:: 10% 3/day [c] 25 km:: G 1.65 g:: G 1.6				CERES	TRM,AM,PM	Barkstrom	2317	ΑM	10%:: 5%	1,day [Avg], 1/mo [Avg]	1.25 dg :: G	N/A :: Atmos
Cloud Optical Depth, SW 3382 CERES TRM_AM_PM Bartstrom 221 BM 25% : 10% 3/day [d] 25 km :: G MODIS AM_PM King 2312 BM 20% :: 10% 1/day [d] 25 km :: G MODIS AM_PM King 2312 AM 10% :: 5% 1/day [d] 1.55 dg :: G MODIS AMPPM King 2313 AM 20% :: 10% 1/day [d] 40 km :: G GLRSA ALT Spintline et al 2313 AM 20% :: 10% 1/day [d] 40 km :: G AIRS PM Smith, Gausier 77 364* AM 701 :: 1/day [d] 40 km :: G AllS PM Smith, Gausier 77 364* AM 701 :: 1/day [d] 40 km :: G AllS PM Smith, Gausier 77 364* AM 70 m :: 20m 5 km :: G 40 km :: G AllS AMPM Merzel 1530 AM 50 mb :: 20m 2/day 4 a 4 dg :: G HIRDLS				CERES	TRM,AM,PM	Barkstrom	2318	AM	25% :: 5%	1/(6 hr)	1.25 dg :: G	N/A:: Atmos
CERES TRM,AM,PM Ring 221 BM 25%::10% 3/day [d] 25km::G MODIS AM,PM King 2312 AM 10%::10% 1/day [Jmo [Avg]] 1.25 dg::G 1 CERES TRM,AM,PM Barteurom 2312 AM 10%::10% 1/day [Avg], Jmo [Avg] 1.25 dg::G 1 MODIS AM,PM King 2313 AM 20%::10% 1/day [d] 5 km::G 1 AIRS AIRS ALT Spinklime et al. 2313 AM 20%::10% 1/day [d] 5 km::G 2 AIRS AMS Spinklime et al. 2313 AM 70%::10% 1/day [d] 5 km::G AM 2.200 km::G 2 AIRS PM Spinklime et al. 2308 AM 70m::20mb 1/day 15x 45 km::G AS	Dickinson	Cloud Optical Depth, SW	3382								<0.5-1 deg :: G	
CERES TRM_AM_PM Barturom 232 AM 10% : 16% 1/day, 1/mo Aug. 1.25 dg :: G		•		CERES	TRM,AM,PM	Barkstrom	2321	BM	25% :: 10%	3/day [d]	25 km :: G	N/A :: Atmos
CERES TRMAM.PM Barterrom 2322 AM 10%:: 5% 1/day [Avg]: 1/mo [Avg] 1.25 dg:: G MODIS AM.PM King 2311 AM 20%:: 10% 1/day [d] 5 km:: G EOSP AEROAM2 Travis 2313 AM 20%:: 10% 1/day [d] 5 km:: G AIRS ALT Spintlime ct al 2318 AM 0.1:: 1/day [d] 5 km:: G AIRS PM Smith, Gautier r) 364* AM TBD:: TBD 1/day 15 x 1515 x 45 km:: G Cloud Pressure, Top MODIS AM.PM Merzel 1528 BM 50 mb:: 20mb 2/day 5 km:: G EOSP AEROAM2 Travis 1530 AM 30 mb:: 30 mb 1/day [d] 4 x 4 dg:: G HIRDLS CHEM Barnett, Gille 1531 AM 5-10%:: 5-10% 2/day [day] 4 x 4 dg:: G MODIS AM.PM Merzel 1539 AM 5-10%:: 5-10% 2/day [day] 4 x 4 dg:: G				MODIS	AM,PM	King	2312	BM	20% :: 10%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
MODIS AM-PM King 2311 AM 20%::10% 1/day [d] 5km::G EOSP AERO,AM2 Travis 2313 AM 20%::10% 1/day [d] 40 km::G 2200 k				CERES	TRM,AM,PM		222	AM	10%:: 5%	1/day [Avg], 1/mo [Avg]	1.25 dg :: G	N/A :: Атпов
Club Activity Activity Club Activity Activi				MODIS	AM,PM	King	ນເຊ	AM	20%:: 10%	1/day [d]	5 km :: G	N/A :: Cloud
GLRSA ALT Spinthme et al 2306 AM 0.1:: 2.200 km:: G AIRS PM Smith, Gautier 77 3684* AM TBD:: TBD 1/day 15x 15 - 15x x 45 km:: G Cloud Pressure, Top MODIS AM, PM Merzel 1528 BM 50 mb:: 20 mb 2/day 5 km:: G AM EOSP AERO,AM2 Travis 1530 AM 50 mb:: 30 mb 1/day [d] 40 km:: G AM HIRDLS CHEM Bameet, Gille 1531 AM 50 mb:: 20 mb 1/day [d] 4 x 4 dg:: G AM MODIS AM, PM Merzel 1529 AM 50 mb:: 20 mb 1/day [d] 4 x 4 dg:: G B				EOSP	AERO,AM2	Travis	2313	¥	20% :: 10%	1/day [d]	40 km :: G	Column :: Cloud
AIRS PM Smith, Gautier 717 3684* AM TBD::TBD 1/day 15x 15 - 15x x 45 km :: G Cloud Pressure, Top 3330 AM.PM Merzel 1528 BM 50 mb :: 20 mb 2/day 5 km :: G 5 km :: G EOSP AERO,AM2 Travis 1530 AM 50 mb :: 30 mb 1/day [d] 40 km :: G HIRDLS CHEM Barnet, Gille 1531 AM 50 mb :: 20 mb 1/day [d] 4 x 4 dg :: G MODIS AM,PM Merzel 1529 AM 50 mb :: 20 mb 1/day, 1/mo 1 dg :: G				GLRS-A	ALT	Spinhime et al	2308	¥	0.1 ::		2-200 km :: G	N/A :: Cloud
Cloud Pressure, Top 3330 AM.PM Merzel 1528 BM 50 mb:: 20 mb 2/day 5 km:: G 5 km:: G EOSP AERO,AM2 Travis 1530 AM 30 mb:: 30 mb:: 30 mb 1/day [d] 40 km:: G HIRDLS CHEM Barnet, Gille 1531 AM 5-10%.: 5-10% 2/day [d_n] 4 x 4 dg:: G MODIS AM.PM Merzel 1529 AM 50 mb:: 20 mb 1/day, 1/mo 1 dg:: G				AIRS	PM	Smith, Gautier ??		AM	TBD :: TBD	1/day	15 x 15 - 15 x 45 km :: G	N/A:: Cloud
MODIS AM_PM Merzel 1528 BM 50 mb:: 20 mb 2/day 5 km:: G 5 km:: G EOSP AERO,AM2 Travis 1530 AM 30 mb:: 30 mb:: 30 mb 1/day [d] 40 km:: G HIRDLS CHEM Bameet, Gille 1531 AM 5-10% 2/day [d,n] 4 x 4 dg:: G MODIS AM,PM Merzel 1529 AM 50 mb:: 20 mb 1/day, 1/mo 1 dg:: G	Dickinson	Cloud Pressure, Top	3330								<0.5-1 deg :: G	
AEROAM2 Travis 1530 AM 30 mb:: 30 mb 1/day [d] 40 km:: G CHEM Barnett, Gille 1531 AM 5-10%:: 5-10% 2/day [d.n] 4 x 4 dg:: G AMPM Merzel 1529 AM 50 mb:: 20 mb 1/day, 1/mo 1 dg:: G				MODIS	AM,PM	Menzel	1528	ВМ	50 mb :: 20 mb	2/day	5 km :: G	N/A :: Cloud
CHEM Barnett, Gille 1531 AM 5-10% :: 5-10% 2dday [d.n.] 4 x 4 dg :: G AM AM.PM Merzel 1529 AM 50 mb :: 20 mb 1/day, 1/mo 1 dg :: G				EOSP	AERO,AM2	Travis	1530	AM	30 mb :: 30 mb	1/day [d]	40 km :: G	30 mb :: Cloud
AM.PM Merzel 1529 AM 50 mb :: 20 mb 1/day, 1/mo 1 dg :: G				HIRDLS	CHEM	Barnett, Gille	1531	¥	5-10% :: 5-10%	2/day [d,n]	4×4dg::G	0.4 km :: Trop
				MODIS	AM,PM	Menzel	1529	¥	50 mb :: 20 mb	1/day, 1/mo	1 dg :: G	N/A :: Cloud

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Investigator Dictinson	Product Name		3					Annual	E		
Dickinson	A I COURT I VALUE	Prod #	Instr.	Platforms	Investigator Prod #	Prod # Match	Match	Abs :: Rel	I emporal Resolution	Horizontal Recol :: Cover	Vertical
	Cloud Temperature, Emission 3.	3386							TO TO THE PARTY OF	Acsol Cover.	Kesol :: Cover.
		<u>a</u>	AIRS	PM	Orahine, Chedin.	2463	M	1K :: 0 S K	,	CO3-1 deg :: G	
Dickinson	Cloud Temperature, Top 3	282				_		W.C W.	comy loth)	13 x 13 - 30 x 30 km :: G	N/A :: Cloud
			MODIS	AM PM	Majer	22.7				<05-1 deg :: G	
		1	Albe	AM, CM	ואמוקט	4	E I	2C::1C	1/day, 1/mo	1 dg :: G	N/A :: Cloud
		1	Sign	L.W.	Change, Chedan,	ᆚ.	BM.	1 K :: 0.5 K	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
Dickingon	Cloud Transmission	1	MODIS	AM,FM	Menzel	746/	¥	2C::1C	2/day	5 km :: G	N/A :: Cloud
		ा. १								<05-1 deg :: G	
		1	AIKS	Σ	Chahine	3685	BM	TBD :: TBD	2/day [d,n]	15 x 45 km :: G	N/A :: Cloud
DICKINSON	Evaporation, Land sfc	3350								<05-1 dee :: G	
			ASTER	AMı	Schmugge	1791	BM	1 mm/day :: 0.5 mm/day		90 m :: Land/R I	27 : A/X
Dictinson	Fire Extent	3398								CO 5.1 dee 1 and	AIS :: U/A
			MODIS	AM,PM	Kaufman, Justice	9997	B		1 May 1 Ash	1 de f	
Dickinson	Humidity Profile	3353				188			C	DIFT: 201	N/A :: SIC
		l	AIRS	PM	Octin Flemine	1878	Z	104 50	1 13 110	O San Leas	
Dickinson	Humidity, Near sfc	7322			Shiring a trimpary		Maria	1078 :: 378	(u'p) (a'b)	13 x 30 · 30 x 30 km :: G	2 km :: Atmos
		<u> </u>	ATDO	M			:			<05-1 deg :: G	N/A :: Near sfc
Dicking	Les Chas T.		CALC.	Ž.	Chedin, Fleming.	1828	ME I	10%:: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
HCKUNSON.		ा १८		I						<0.5.1 deg :: Land/Cryo	
		1	MODIS	2	Wan		BM	1-3C:1C	1/day, 1/wk	10 km :: Land	N/A :: Sfc
			AIRS	M	Chedin, Fleming.	2481	ΨV	1.0 K :: 0.5 K	2/day [d,n]	50 km :: Land	N/A :: Sfc
Dickinson	Iradiance, Incident, S/c 33	3384								<05-1 dee :: G	
		_ !	CERES	TRM,AM,PM	Barkstrom	1221	BM	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 de :: G	N/A : Sfr
			CERES	TRM,AM,PM	Barkstrom	2222	BM	10 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 de :: G	N/A :: 5fc
			CERES	TRM,AM,PM	Barkstrom	2223	BM	15 W/m^2 :: 2 W/m^2	1/(6 hr)	1.25 x 1.25 de :: G	N/A :: Sfr
Dickinson	Land_sfc Emissivity 33	3373								<0 5-1 dee : Land	315 :: C/V.
			MODIS		Barton	21110	ВМ	0.01 :: 0.01	1/day, 1/wk	50 km :: G.R	N/A Sfe
			MODIS	AM,PM	Wan	3324	BM	0.05 :: 0.02	l day, l wk	10 km :: Land	N/A ·· Sfe
Dickinson	Land stc Reflectance, Bi-directional, (BRDF 3369	369								50 5.1 dee G	200 :: 2//2:
			MODIS	AM,PM	Tarre, Muller	2425	BM	15% :: 5 - 8%	1/day, 1/wk	10 km : C 10	NA CC
			MISR	AM	Diner	1692	₩	5% :: 2%	1/(S-16 day) [d]	1 92 Em : G	N/A :: GE
		_	MODIS	AM,PM	Muller, Strahler, 7	3669	¥	5%::3%	1/day	I'm :: Land/R	N/A Sfr
Dickinson	Land_sfc Temperature 33	3389								Hick yes fond	1/V .: 31C
			ASTER	AMI	Kahle, Bocker, Ch	2483	BM	1-6 K :: 0.3 K	1/(2-16 dav)	90 m · · I and	30 : 4/N
Dickinson	Land sfc Temperature 33	3390								A 4 1	310 0/1
			AIRS	PM	Chedin, Fleming,	2481	BM	1.0 K :: 0.5 K	2/day [d.n.]	50 km :	30 : 4/N
Dickinson	Land sfc Temperature	339/							,		310 :: 010
			MODIS	MA'MA	Wan	2882	BM	10::10	1/flav 1/wk	Then I and 10	7114 OF
			MODIS	M4MA	Wan	2485	BM	1-3C=1C	1 Aby, 1 Ayk	Par 1 . ma 01	NA :: Cf.
Dickinson	Land sfc Temperature-Difference, Day-Nigh 3395	395								5. 400.	315 :: U/VI
		i	MODIS	AM,PM	Hucte	2537	BM	1K::1K	1/day	856 m : R	N/A Cfr
			AIRS		Chedin, Fleming,	2539*	BM	0.5 K :: 0.25 K	2/day [d.n]	50 km :: G	N/A Sfe
		1	ASTER	νWI	Kieffer et al	2540	AM	1-2 K :: 0.3 K		90 rf:: Land/R.L	N/A :: Sfe
Dickinson	Lightning Intensity 33	3340								<05-1 deg :: G	
		1	27	1	Oristian	3 <u>8</u>	BM			.D :: #p //0	N/A :: Atmos
			E	TRM	Oristian	1756	BM	:: 5%		.07 dg :: G	N/A :: Atmos
Dickinson	Lightning Rate 33	3341								<05.1 dee :: G	
			LIS	TRM	Orristian	1756	BM	.: 5%		07 de :: G	N/A Almos

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Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	The latest hote Decelerat	-	4 14	S Inchristman S	Outside Date D			AUSTRACE			
Investigator	Product Name	Prod #	Instr.	Platforms	Platforms Investigator Prod # Match	Prod # M	atch	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Dickinson	7	3383		100						<0.5-1 deg :: G	
			CERES	TRM,AM,PM	Barkstrom	1252	BM	25%:: 10%	3/day [d]	25 km :: G	N/A :: Atmos
		.	MODIS		King	2312	BM	20% :: 10%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
		1	MODIS	AM.PM	Kaufman, Tame	2293	BM	0.1 :: 0.05	1/day, 1/mo	0.5 dg :: Land	N/A :: Atmos
		<u> </u>	CERES	TRM,AM,PM	Barkstrom	2316	ΑM	25% :: 10%	(4,p) [4,n]	25 km :: G	N/A :: Atmos
			CERES	TRM,AM,PM	Barkstrom	2321	¥	25% :: 10%	3/day [d]	25 km :: G	N/A :: Atmos
		<u> </u>	CERES		Barkstrom	7162	AM	10%:: 5%	1/day [Avg], 1/mo [Avg]	1.25 dg :: G	N/A :: Atmos
		1	CERES		Barkstrom	2322	W	10%:: 5%	1/day [Avg], 1/mo [Avg]	1.25 dg :: G	N/A :: Atmos
		1	MISR		Diner	-	-	0.05/10% :: 0.05/10%	1/(5-16 day) [d]	15.4 km :: G	Column :: Atmos
Dickinson	PBL Height	3329									
			GLRS-A	ALT	Spinhime et al	1514	BM	150m::	1/(2-16 day)	2-200 km :: G	75 m :: Trop
Dickinson	Precioitable Water	3355								<0.5-1 deg :: G	
		-	MODIS	AM,PM	Kaufman, Tarre	3322	BM	5%:: 3%	l day, mo	1 dg::Land	N/A :: Atmos
			AIRS	M	Chedin, Fleming,	1869	BM	5%:: 3%	2/day [d.n]	50 km :: G	N/A :: Trop
Dickinson	Precipitation Rate, Rain	3359				-				<0.5-1 deg :: G	
		1	MIMR	PM	TBD	3600	BM			22 km :: Global	N/A :: Sfc
			MIMR		TBD	3601	BM-		1 mo	1 dg :: Global	N/A :: Sfc
Dickinson	Radiative Flux, LW, Down	3375								<0.5-1 deg :: G	NIA :: Sfc?
		1	CERES	TRM,PM	Barkstrom	2168	BM	5 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRMAM,PM	Barkstrom	2169	E E	7 W/m^2 :: 2 W/m^2	6/day [d.n]	1.25 x 1.25 dg :: G	N/A :: Sfc
		<u> </u>	CERES	TRM,AM,PM Barkstrom	Barkstrom	2170	BM	7 W/m^2 :: 2 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Sfc
Dickinson	Radiative Flux, LW, Net	3376								<0.5.1 deg :: G	NIA :: Sfc?
			CERES	TRM,AM,PM	Barkstrom	2182	BM	5 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
		-	AIRS	Æ	Gautier	2176	¥	<15 :: TBD	1/day	50 km :: Land	N/A :: Sfc
			AIRS	PM	Gautier	2177*	¥	<10:: TBD	1/day	50 km :: Ocean	N/A :: Sfc
			CERES	TRM,AM,PM	Barkstrom	2180	¥	7 W/m^2 :: 2 W/m^2	(day [d,n]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM,AM,PM Barkstrom	Barkstrom	2181	ΑM	7 W/m^2 :: 2 W/m^2	1/(6 ኪ/)	1.25 x 1.25 dg :: G	N/A :: Sfc
Dickinson	Radiative Flux, LW, TOA	3377								S :: 8 or 1-50>	NIA :: TOA
			CERES	TRM,AM,PM Barkstrom	Barkstrom	2200	BM	3 W/m^2 :: 1 W/m^2	1 Alay [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A:: TOA
Dickinson	Rodinive Flux I.W. Up	3378								<05-1 deg :: G	NIA :: Sfc ?
			CERES	TRM,AM,PM Barkstrom	Barkstrom	2022	BM	7 W/m^2 :: <7 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Sfc
Dickinson	Radiative Flux, SW. Net	3379				-				<0.5.1 deg :: G	NIA :: Sfc
			CERES	TRM.AM.PM	Barkstrom	2230	E E	10 W/m^2 :: 2 W/m^2	1 Asy [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			AIRS	Æ	Gautier	2232•	¥	<15::<5	1/day	50 km :: Land	N/A :: Sfc
			AIRS	PM	Gantier	2233•	AM	<10:: <5	1/day	50 km :: Ocean	N/A :: Sfc
			CERES	TRM,AM,PM	Barkstrom	2229	ΨV	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM,AM,PM Barkstrom	Barkstrom	2231	₩	15 W/m^2 :: 2 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Sfc
Dickinson	Radiative Flux, SW. TOA	3380								<0.5.1 deg :: G	NIA :: Sfc
			CERES	TRM,AM,PM	Barkstrom	12251	BM	7 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A:: TOA
Dickinson	Sea Ice Cover	3417								<0.5-1 deg :: Ocean/Cryo	
	1		MIMR	PM	TBD	3611	BM			22 km :: Ocean/Cryo	N/A :: Sfc
Dickinson	Sea stc Temperature (SST)	3392								<0.5-1 deg :: Ocean	
			MODIS	AM,PM	Brown, Barton	2532	BM	0.3-0.4K :: 0.1-0.6K	1/day, 1/wk, 1/mo	50 km :: Ocean	N/A :: Sfc
			MODIS	AM,PM	Brown, Barton	1652	¥	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
			MODIS	AM,PM	Brown, Barton	- 1	₩	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	4 km :: Ocean/R,L	N/A :: Sfc
			AIRS	M	Chedin, Fleming.	2523	₩	0.5 - 1 K :: 0.4 - 0.5 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Proof 8 Institute of the control of the c		IDS Input Data Product		Ğ	S Instrument	Outness Date	1						ı
Stary Electron 1913 HAMA PAR TID 500 BM IX. Trong Scov Elect 1413 PAR TID 500 BM IX. Trong Scov Elect 1413 PAR TID 500 BM IX. Trong Scov Elect 1416 MODIS AAPPA Stometeen 700 BM Cc.58.; Cc.58 1489, 1/104 Scil Route 3410 ANDIS AAPPA Stometeen 700 BM Cc.58.; Cc.58 1149, 1/104 Scil Route 3410 ANDIS AAPPA Stometeen 700 BM Cc.58.; Cc.58 1149, 1/104 Scil Route 3410 ANDIS AAPPA Tene, College 200 BM Tene, Cc.58.; Cc.58 1149, 1/104 Scil Route 3410 ANDIS AAPPA Tene, Maller 200 BM 1409, 1/104 Scil Route 3410 ANDIS AAPPA Tene, Maller 200 BM 1409, 1/104 <	Investigator	7	Prod #		Platforms	_ !	Prod #	Vatch	Accuracy Abs Del	Temporal	Horizontal	Vertical	
March Marc	Dickinson	1	ě			1			AUS RCI	Aesolution	Kesol :: Cover.	Kesol :: Cover.	- 1
Sov Euclin 1415		(100) 2	reco								<0.5-1 deg :: Ocean		
Sow Earest 411 MMAR PM TRD 560 BM I K;; I mo Sow Earest 4118 PM Shall Bonders 300 BM C x58; c x54 Libry Librt Sow Earest 4118 AMIN Shall Bonders 301 BM C x58; c x54 Libry Librt Soll Moders 411 AMIN AMIN Soll Moders 301 BM C x58; c x54 Libry Librt Soll Moders 411 AMIN				MIMK		180	3603	æ			60 km :: Ocean	N/A :: Sfc	ĺ
Soul Easter MIS PM Statin 3019 BM C-55%: C-55% 1 Lab., LAA Soul Easter Mod15 AAMA Statin 3019 BM C-55%: C-55% 1 Lab., LAA Soil Easter Mod15 AAMA Statinosean 302 BM C-55%: C-55% 1 Lab., LAA Soil Motere M11 ANTER AAM Mod15 ANA Mod15 ANA <td< td=""><td></td><td></td><td></td><td>MIMK</td><td></td><td>TBD</td><td>3604</td><td>BM</td><td>1K::</td><td>l mo</td><td>1 dg :: Ocean</td><td>N/A :: Sfc</td><td></td></td<>				MIMK		TBD	3604	BM	1K::	l mo	1 dg :: Ocean	N/A :: Sfc	
MODIS MAD Station MODIS MAD Station MODIS MODI	UCKINSON	Show extent	3415								Low res :: Land		Т
Sout Extent MODIS AMDM Slammens 300 RM <-558.:<-554 1 Jahr, 1 Jahr Soil Rear Soil Rear 360 ACTER AMI Kathe, Citeger 200 RM <-558.:<-554			1.	AIRS	\exists	Staclin	3018•	BM		2/day [d.n.]	S0 km :: Land	N/A :: Sfe	Т
Soil Example 3416 MODIS AALTAN Solationes 7021 BM C-0545:: C-554 Libby, Iyvet Soil Motamer 3479 ASTER AALTAN Kaleb, Cittople 2807 BM C-0545:: C-554 Libby, Iyvet Soil Motamer 3411 MILMR PM TIBD 3605 AMA Soil Motamer 1100 Soil Motamer 1100 Soil Motamer 3501 AMA PM TIBD 3605 AMA TIBD 3605 AMA TIBD 3605 AMA				Modis		Salomonson	3020	BM	<=5%::<=5%	1/day, 1/wk	10 km :: Lund	NA : Sfe	Т
Soil Easter MODIS AAA/IN Submesser SOIL Bane C-545 :: C-54 1409, 1/ber Soil Mediane 3409 ASTER AMIL Not. Cillege 2809 BM C-545 :: C-54 1409, 1/ber Soil Mediane 3411 MADR PM TBD 8045 AM SOI Mediane 500 magnitusion Soil Mediane 3412 MADR PM TBD 8045 AM 1 Into 1 Into Soil Mediane 3412 MADR PM TBD 8045 AM 1 Into 1 Into Soil Mediane 3412 MADR AMADR TREAT MADR TREAT MADR 1 Into 1 Into 1 Into Soil Mediane 3412 MADRS AMADR Treat Male 5245 BM 158::5 - 8% 1 Iday, Ivet Soil Require 3410 MADRS AMADR Treat, Male 1552 BM 158::5 - 8% 1 Iday, Ivet Temperature 3410 AMADR Treat, Male 1552 BM 158::5 - 8% <td>Dictinson</td> <td>Show Extent</td> <td>3416</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Med res :: Land</td> <td></td> <td>Т</td>	Dictinson	Show Extent	3416								Med res :: Land		Т
Soil Exact 3109 ATTER AND KOH, Cillege 2007 BM SOmpathistion Soil Mointer 3411 MUNR PM TBD 5405 BM 1 Inno 50 magnitistion Soil Mointer 3412 MUNR PM TBD 5405 BM 1 Inno 1 Inno Soil Mointer 3412 MUNR PM TBD 5405 BM 1 Inno 1 Inno Soil Mointer 3412 MUNDS AALYM Terr, Muller 2425 BM 158,:2.58 1 Inday, Inve Soil Mointer 3412 MODIS AALYM Terr, Muller 2425 BM 158,:2.58 1 Inday, Inve Soil Mointer 3410 MODIS AALYM Terr, Muller 2425 BM 158,:2.58 1 Inday, Inve Soil Mointer 3410 MODIS AALYM Terr, Muller 2425 BM 158,:2.58 1 Inday, Inve Temperature 3410 AALS PM Obedin, Perming 348				MODIS		Salomonson	3021	BM	<=5%::<=5%	1/day, 1/wk	1 km :: Land/R	N/A : 05	
Soil Mediane t ASTER AMI Robin, Cilinope to Soil Mediane t 2001 BM Soil Mediane t Soil Mediane t Soil Mediane t Soil Mediane t AMI TRD 3605 RM TRD Soil Completination TRD TRD Soil Completination TRD TRD Soil Completination TRD Soil Completination TRD TRD Soil Completing to to the Soil Completing	Dickinson	Soil Exteru	3409									200 :: 27/21	Т
Soil Majaner HINR PM TBD 5005 RM Contributions Soil Majaner 3411 HUNR PM TBD 3605 RM 1 mo Soil Majaner 341 MinR PM TBD 3605 RM 1 mo 1 mo Soil Reglestee, Bi-directional (BRDF) 3770 AMD Turner, Maller 3215 RM 1 kBy, 1,bwt 1 mo Soil Reapheas 3311 MODIS AMJPM Turner, Maller 3255 RM 1545,:3.5 1 kBy, 1,bwt Soil Reapheas 3311 MODIS AMJPM Turner, Maller 1350 RM 1545,:3.5 1 kBy, 1,bwt Temperator 5 sil Reapheas 331 MODIS AMJPM Turner, Maller 1350 RM 1545,:3.5 1 kBy, 1,bwt Temperator 5 sil Reapheas 331 AMJPM Turner, Maller 1350 RM 1540,:3.5 1 kBy, 1,bwt Temperator 3 sil Reapheas 331 AMS PM Chedin, Perming 1358			1	ASTER		Kable, Gillespie	2803	E.		SO mana desiration	DOW TEST LAND		Т
Soil Molanet HURR PNA TRD 3403 RM Inno Soil Relacence, Bi-diversional, (BRDF) 3170 MURR PNA TRD 3403 RM Inno Inno Soil Relacence, Bi-diversional, (BRDF) 3170 MURR PNA There, Muller 2022- RM 5%:13% Indoy, Livk Soil Reaghests 331 MODIS AAM-DM Trace, Muller 2022- RM 5%:13% Indoy, Livk Soil Reaghests 331 MODIS AAM-DM Trace, Muller 1357- RM 15%:13-8 Indoy, Livk Temperator 333 AMISS AMISS PM Occur, Penning 138 RM 10,60:10-10-10-10-10-10-10-10-10-10-10-10-10-1	Dickinson	Soil Moisture	Ž							O HE PA/HILSSION	YO M :: Land/K,L	N/A :: Sic	Т
Soil Moismet Soil Reflectance, Bit diversional, (BRDP) 3170			- 1	MIME		Car	36.05	70			Low res :: Land		Т
Soil Relationer, Bi-directional, (BRDF) 3170 MARK PM TBD 5600 BM 1756.: 5.8% 1 Abby, 1 Abby Soil Relationer, Bi-directional, (BRDF) 3170 MAN There, Maller 2422 BM 1556.: 5.8% 1 (ds.) (ds.) (d) Soil Roughests 311 MODIS AAM/PM There, Maller 2553 AM 556.: 35% 1 (ds.) (ds.) (d) Soil Roughests 311 MODIS AAM/PM There, Maller 1556. BM 1556.: 5.8% 1 (ds.) (ds.) (d) Temperature 3131 MODIS AAM/PM There, Maller 1556. BM 1556.: 5.8% 1 (ds.) (ds.) (d) Temperature, New 50 3131 AUSS AAM/PM There, Maller 1557. BM 1556.: 5.8% 1 (ds.) (ds.) (d) Topographic Elevation, Load 50 310 AAM/PM There, Maller 1557. BM 10.0 K.: 0.5 K 2 (ds.) (ds) Vegtation Engotrous 3157 AATER AAM Checlin, Perming 1581 BM 10.0 K.: 0.5 K 2 (ds.) (ds) <td></td> <td></td> <td>1</td> <td>ama</td> <td>T</td> <td>COLE COLE</td> <td></td> <td>E :</td> <td></td> <td></td> <td>60 km :: Land</td> <td>N/A :: Sfc</td> <td>П</td>			1	ama	T	COLE COLE		E :			60 km :: Land	N/A :: Sfc	П
Soil Roughouse, Bi-directional, (BRDF) 3770 MODIS AM-PM Tears, Maller 2623; BM 15%:: 3-8% 1/day, 1/day	Diction	Sail Moisture	27.2	www	0000000	Car	9702	Ę		l mo	ldg::Land	N/A :: Sfc	
Soil Reglactance, B: directional (BRD): 310 MISSR PM TBD 366 BM 15%:::5-89 1 (Aby, 1)-bet Soil Reglactance, B: directional (BRD): 333 AMPM Terre, Maller 2422: BM 15%:::5-89 1 (Aby, 1)-bet Soil Roughast 331 MODIS AMPM Terre, Maller 3631 AM 58:::3% 1 (Aby, 1)-bet Soil Roughast 331 MODIS AMPM Terre, Maller 1359: BM 15%:::3-89 1 (Aby, 1)-bet Temperature, New-5f 331 MODIS AMPM Terre, Maller 1359: BM 15%:::3-89 1 (Aby, 1)-bet Temperature, New-5f 333 AIRS PM Checlin, Ferming, 1589: BM 15%:::3-89 1 (Aby, 1)-bet Temperature, New-5f 3340 AIRS PM Checlin, Ferming, 1589: BM 15%:::3-89 1 (Aby, 1)-bet Temperature, New-5f 3340 AIRS PM Checlin, Ferming, 1589: BM 10.0K:::0.5 2.540 (Gs) Vegetation Euperature, New-5f			71 AC								Med res :: Land		
Soil Rough Nears 1311				MIMK		IBD	3605	M.			60 km :: Land	N/A :: Sfc	
MIDDIS AMP There, Maller 20.515 BM 156::5:85 1489, 1/lok	LICKINSON	Soil Keflectance, Bi-directional, (BRDF)	370								<05-1 deg :: Land		Г
Milk			1	MODIS		Tarre, Muller	2425	BM	15%:: 5 - 8%	1/day, 1/wk	10 km :: G.R	N/A :: Sfe	
Soil Roughests 3311 MODIS AMPM Muller, Strainer, 1856 BM 1545.::5.48% 1 Iday, Iwk Soil Roughests 3331 MODIS AMPM Terre, Muller 1556 BM 1545.::5.48% 1 Iday, Iwk Temperator 3331 MODIS AMPM Terre, Muller 1557 BM 1545.::5.48% 1 Iday, Iwk Temperator 3334 AIRS PM Ocedin, Penning, 1588 BM 10 K.::0.4 K 2 Iday [d.n] Temperator, Incl. gc 3410 AIRS PM Ocedin, Penning, 1588 BM 10 K.::0.4 K 2 Iday [d.n] Vegetation Biomast, Crees 3410 MISR AM Ocedin, Penning, 1588 BM 10 K.::0.5 K 2 Iday [d.n] Vegetation Emport and 3157 ARTER AMI Infin, Westman 2246 BM 10 K.::0.5 K 2 Iday [d.n] Vegetation Emport and 3157 ASTER AMI Schmugge 1791 BM 1 Imm/day::0.5 mm/day 1 Iday; Inkt, Inho Vegetation Emport and 3400			1	MISR		Diner	2631	ΑM	5%:: 2%	1/(5-16 day) [d]	1.92 km :: G	N/A :: Sfc	Т
Soil Roughuess 3311 MODIS AM_PM Tune, Muller 1556 BM 1556.: 5.8% 1Aby, 1Avk Soil Roughuess 3312 MODIS AM_PM Tuner, Muller 1557 BM 1556.: 5.8% 1Aby, 1Avk Temperature, New git 3334 AIRS PM Chedin, Penning, 1588 BM 10 K :: 0.4 K 2/day [d.n] Temperature, New git 3310 AIRS PM Chedin, Penning, 1588 BM 10 K :: 0.4 K 2/day [d.n] Temperature, New git 3410 AIRS PM Chedin, Penning, 1588 BM 10 K :: 0.4 K 2/day [d.n] Vegetation Euroacian, Lond, git AIRS AM Chedin, Penning, 2481 AM 10 K :: 0.4 K 2/day [d.n] Vegetation Euroacian, Lond, git AIRS AM Chedin, Penning, 1588 BM 10 K :: 0.4 K 2/day [d.n] Vegetation Euroacian, Lond, git AIRS AM <				MODIS		Muller, Strahler, 7	3669	¥	5%:: 3%	1/dav	l km :: Land/R	N/A : Sfr	Т
MODIS AM.PM Terre, Maller 1556 BM 15%::5-8% 14dy, 14kt	Dickinson	Soil Roughness	3331	l							Hick res I and	30::00	Т
Soil Roughwest 333 MODIS AMPM There, Multer 1557* BM 1545.15-876 11day, 1 Juke Temperature, New 36c 3333 AIRS PM Chedin, Pleming, 1588 BM 1.0 K.: 0.4 K 2/day [d.n.] Topographic Elevation, Land, 36c 3410 AIRS PM Chedin, Pleming, 1588 BM 1.0 K.: 0.4 K 2/day [d.n.] Topographic Elevation, Land, 36c 3410 AIRS PM Chedin, Pleming, 2846* BM 1.0 K.: 0.4 K 2/day [d.n.] Topographic Elevation, Land, 36c 3410 ASTER AM Chedin, Pleming, 2846* BM 1.0 K.: 0.4 K 2/day [d.n.] Vegetation Biomacs, Green 3157 HIRIS AM2 Ustin, Westman 2246* BM 100 m.: 100 m Inhiistion Vegetation Ensporant 3157 HIRIS AM2 Ustin, Westman 2240 BM 3.046.: 15% 1/(2-16 day) Vegetation Ensporant 3157 ASTER AM1 Schmugge 1791 BM 1 mm/day:: 0.5 mm/day Vegetation Enter 3401 HIRIS AM2 Ustin, Westman 2544 AM 1006.: 106 1/(2-16 day) HIRIS AM2 Ustin, Westman 2544 AM 1006.: 106 1/(2-16 day) HIRIS AM2 Ustin, Westman 2544 AM 1006.: 106 1/(2-16 day) HIRIS AM2 Ustin, Westman 2544 AM 1006.: 106 1/(2-16 day) MODIS AM4PM Smiller, Hote et a 2751 BM 1006.: 0.01 1/(4ay, 1/bk. 1/mo MODIS AM4PM Smiller, Hote et a 2751 AM 1006.: 0.01 1/(4ay, 1/bk. 1/mo MODIS AM4PM Smiller, Hote et a 2751 AM 1006.: 0.01 1/(4ay, 1/bk. 1/mo MODIS AM4PM Smiller, Hote et a 2751 AM 1006.: 0.01 1/(4ay, 1/bk. 1/mo MODIS AM4PM Smiller, Hote et a 2751 AM 1006.: 0.01 1/(4ay, 1/bk. 1/mo MODIS AM4PM Smiller, Hote et a 2751 AM 1006.: 0.01 1/(4ay, 1/bk. 1/mo MODIS AM4PM Smiller, Hote et a 2751 AM 1006.: 0.01 1/(4ay, 1/bk. 1/mo MODIS AM4PM Smiller, Hote et a 2751 AM 1006.: 0.01 1/(4ay, 1/bk. 1/mo Modis Mainter, Hote et a 2751 AM 1006.: 0.01 1/(4ay, 1/bk. 1/mo Modis Mainter, Hote et a 2751 AM 1006.: 0.01 1/(4ay, 1/bk. 1/mo Modis Mainter, Hote et a 2751 AM 10			_	MODIS	Г	Taure, Muller	1556	M.	154 5 . 84.	1 May 1 Aut	1 km C D	1114	Т
Temperature	Dickinson	Soil Roughness	3332							- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	N.O.: 117	IV/A :: SIC	Т
Trayperdine 3334			1	MODIS	Τ	Tanre, Muller	1557	M	154 5. 84.	1414.1	Low res :: Land	****	Ţ
Temporature, New_sfc 3334	Dickinson	Tenoraise	ž.						20 - C .: 20 CI	I/Uay, I/WK	LUKM :: C,K	N/A :: Sfc	T
Temperature, Near_5fc 334 AIRS PM Obedin, Perming, 1588 BM 1.0 K :: 0.4 K 2.day [d.n.] Topographic Elevation, Load_5fc 3410 MISR AM Obedin, Perming, 2818 BM 1.0 K :: 0.5 K 2.day [d.n.] ASTER AM Direct 2246 BM 1.0 K :: 0.5 K 2.day [d.n.] Vigetation Biomass, Green 3397 HIRIS AM2 Ustin, Westman 2828 AM Schmigge 1791 BM 1 mm/day :: 0.5 mm/day Vigetation Evipor and 3151 ASTER AM1 Schmigge 1791 BM 1 mm/day :: 0.5 mm/day Vigetation Evipor and 3400 ASTER AM1 Schmigge 1791 BM 1 mm/day :: 0.5 mm/day Vigetation Evipor and 3401 ASTER AM1 Schmigge 1791 BM 1 mm/day :: 0.5 mm/day Vigetation Evipor and 3401 ASTER AM1 Schmigge 1791 BM 1 mm/day :: 0.5 mm/day MODIS AM.PM Smaller, Hence et 2570 AM 10% :: 5% 1/R0. 1/Rest MODIS AM.PM Smaller, Hence et 2570 AM 10% :: 5% 1/R0. 1/Rest MODIS AM.PM Mustice, Huste et 2570 AM 10% :: 5% 1/R0. 1/Rest MODIS AM.PM Mustice, Huste et 2570 AM 0.01 :: 0.01 1/day, 1.Nr. 1.Hno			<u> </u>	AIRS		Ordin Elemina	1 4 6 8	Na	440401		<05-1 deg :: G		П
ASTER AM Checin, Perming 1888 BM 1.0 K :: 0.4 K 2/day [d.n] 15 x 30.5 day 2.0 cm	Dickingon	Temperature Now of	7111			Security Formula	9061	Ma	1.0 K :: U.9 K	(L'D) (CD/2	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos	7
Topographic Elevation, Lond. gtc 3410 Also		The man is a man advant	il.	541.4							<0.5-1 deg :: G		1
Topographic Elevation, Land_3fc 3410 MISR				2014		Chedin, Fleming,	1388	E E	1.0 K :: 0.4 K	2/day [d,n]	15 x 50 · 50 x 50 km :: G	1, 2 km :: Atmos	
Vegetation Biomacs, Green 3397 HIRLS AM Direct 2246 BM 100 m:: 100 m Inhission Inhis Inh	Dicking	Thursday his Planning I and the	955	202		Chedin, Fieming.	481	Ä	1.0 K :: 0.5 K	2/day [d.n]	50 km :: Land	N/A :: Sfc	
Vegetation Biomats, Green 3197 ASTER AMI Kahle, IGI 2826 BM 100 m:: 100 m 1/mission Vegetation Biomats, Green 3197 HIRIS AMZ Usrin, Wessman 2620 BM 30%:: 15% 1/(2-16 day) Vegetation Evaportaus 3151 ASTER AMI Schmugge 1791 BM 1 mm/day:: 0.5 mm/day 1/(2-16 day) Vegetation Evaportaus 3132 ASTER AMI Schmugge 1791 BM 1 mm/day:: 0.5 mm/day 1/(2-16 day) Vegetation Evaportaus 3132 ASTER AMI Schmugge 1791 BM 1 mm/day:: 0.5 mm/day 1/(2-16 day) Vegetation Evaport 3400 HIRIS AMZ Ustin, Wessman 2741 AM 1 i/(2-16 day) Vegetation Evaport 3401 HIRIS AMZ Ustin, Wessman 2044 AM 1076:: 1056 1 i/(2-16 day) MODIS AM_PM Smahler, Huete et 2751 BM 1076:: 1056 1 i/(2-16 day) MODIS AM_PM	- Carrier	I opographic Elevation, Lana sic	ા 0/ ક ર								Low res :: Land		
Vegetation Biomast, Green 3197 ASTER AMI Littin, Westman 26.20 BM >50 m;; 50 m Inflission Vegetation Evaporaru 3151 ASTER AMI Schmugge 1791 BM 1 mm/day;; 0.5 mm/day 1/(2-16 day) Vegetation Evaporaru 3152 ASTER AMI Schmugge 1791 BM 1 mm/day;; 0.5 mm/day 1/(2-16 day) Vegetation Evaporaru 3152 ASTER AMI Schmugge 1791 BM 1 mm/day;; 0.5 mm/day 1/(2-16 day) Vegetation Extent 3400 HIRIS AM2 Ustin, Westman 2741 BM 1 mm/day;; 0.5 mm/day 1/(2-16 day) Vegetation Extent 3401 MODIS AMPM Srahler, Huete et 2564 AM 10%;;; 10% 1 /(2-16 day) MODIS AM.PM Srahler, Huete et 2569 BM 10%;;; 10% 1 /(2-16 day) MODIS AM.PM Srahler, Huete et 2579 AM 10%;;; 10% 1 /(2-16 day) MODIS AM.PM Srahler, Huet				MISK		Dine	2846•	BM:	100m:: 100m	1/mission	500 m :: Land	N/A :: Sfc	
Vegetation Evaporraus 3351 HIRIS AMZ Ustin, Wessman 26.20 BIM 3004.:15% 1/(2-16 day) Vegetation Evaporraus 3351 ASTER AMI Schmugge 1791 BM 1 mm/day::0.5 mm/day 1/(2-16 day) Vegetation Evaporraus 3352 ASTER AMI Schmugge 1791 BM 1 mm/day::0.5 mm/day 1/(2-16 day) Vegetation Extent 3400 HIRLS AM2 Usetin, Wessman 2741 BM 20%::10% 1/(2-16 day) Vegetation Extent 3401 MODIS AM2 Usetin, Wessman 2741 AM 10%::10% 1/(2-16 day) Vegetation Extent 3401 MODIS AM2 Usetin, Wessman 2244 AM 10%::10% 1/(2-16 day) Vegetation Extent 3401 MODIS AM,PM Smahler, Huete et al. 2569 BM 10%::10% 1/(2-16 day) MODIS AM,PM Smahler, Huete et al. 2751 BM 0.01::001 1/(2-16 day) MODIS AM,PM <td>Disting</td> <td>7</td> <td></td> <td>ASIER</td> <td></td> <td>Nime, Joi</td> <td>9797</td> <td>¥</td> <td>>30 m :: >30 m</td> <td>1/mission</td> <td>15 m :: Land/R.L</td> <td>30 m :: Sfc</td> <td></td>	Disting	7		ASIER		Nime, Joi	9797	¥	>30 m :: >30 m	1/mission	15 m :: Land/R.L	30 m :: Sfc	
Vegetation Evaportaus 3351 AMZ Ustin, Wessman 2620 BM 30%:15% 1/(2-16 day) Vegetation Evaportaus 3152 ASTER AMI Schmugge 1791 BM 1 mm/day::0.5 mm/day 1/(2-16 day) Vegetation Extern 3400 HIRIS AMZ Ustin, Wessman 2741 BM 20%::10% 1/(2-16 day) Vegetation Extern 3401 MODIS AMZ Ustin, Wessman 2644 AM 10%::10% 1/(2-16 day) Vegetation Extern 3401 MODIS AMPM Srahler, Huete et 2644 AM 10%::10% 1/(2-16 day) MODIS AMPM Srahler, Huete et 2669 BM 10%::10% 1/(2-16 day) MODIS AMPM Srahler, Huete et 2670 AM 10%::5% 1/mo, 1/kess MODIS AMPM Srahler, Huete et 2670 AM 10%::5% 1/mo, 1/kess MODIS AMPM Justice, Huete et 2670 AM 001::001 1/day, 1/wt, 1/mo	CICALISON	Vegetation Biomass, Ureen) (65.6								<0.5-1 deg :: Land		
Vegetation Evaportans 335 ASTER AMI Schmugge 1791 BM I mm/day:: 0.5 mm/day Vegetation Evaportans 3352 ASTER AMI Schmugge 1791 BM I mm/day:: 0.5 mm/day Im/day Vegetation Extent 3400 HIRIS AM2 Uctin, Wessman 2741 BM 20%:: 10% I/(2-16 day) Vegetation Extent 3401 MCDIS AM2 Uctin, Wessman 2644 AM 10%:: 10% I/(2-16 day) Vegetation Extent 3401 MODIS AM2PM Srahler, Huete et 2669 BM 10%:: 10% I/(2-16 day) MODIS AM_PM Srahler, Huete et 2569 BM 10%:: 5% I/mo, 1/kess MODIS AM_PM Srahler, Huete et 2570 AM 10%:: 5% I/mo, 1/kess MODIS AM_PM Israhler, Huete et 2670 AM 10%:: 5% I/mo, 1/kess MODIS AM_PM Israhler, Huete et 2670 AM 001:: 001 1/day, 1/wt, 1/mo <	ě			HIKIS		Ustin, Wessman	2620	E E	30% :: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	
Vegetation Evaportant 3352 ASTER AMI Schmugge 1791 BM I mm/day :: 0.5 mm/day Vegetation Extent 3400 HIRIS AMI Schmugge 1791 BM 1 mm/day :: 0.5 mm/day 1076 1/2-16 day) Vegetation Extent 3400 HIRIS AM2 Uctin, Wessman 2747* AM 1076 :: 1076 1/(2-16 day) Vegetation Extent 3401 MODIS AM2 Wessman 2644 AM 1076 :: 1076 1/(2-16 day) Vegetation Extent 3401 MODIS AM2PM Smaller, Huete et 2659 BM 1076 :: 1076 1/(2-16 day) MODIS AM_PM Smaller, Huete et 2559 BM 1076 :: 5% 1/mo, 1/kess MODIS AM_PM Smaller, Huete et 2670 AM 1078 :: 5% 1/mo, 1/kess MODIS AM_PM Iumicc, Huete et 2670 AM 1078 :: 5% 1/mo, 1/kess MODIS AM_PM Justicc, Huete et 2670 AM 0.01 :: 0.01 1/day, 1/wk, 1/mo	DICTORSON	Vegetation Evapoirans	337								High res :: Land		
Vegetation Extent 3400 ASTER AMI Schrnugge 1791 BM I mm/day:: 0.5 mm/day Vegetation Extent 3400 HIRIS AM2 Usetin, Wessman 2741 BM 20%:: 10% 1/(2-16 day) Vegetation Extent 3401 HIRIS AM2 Usernan 2644 AM 10%:: 10% 1/(2-16 day) MODIS AM_PM Strahler, Huste et 2669 BM 10%:: 5% 1/mo, 1/kas MODIS AM_PM Strahler, Huste et 2670 AM 10%:: 5% 1/mo, 1/kas MODIS AM_PM Strahler, Huste et 2670 AM 10%:: 5% 1/mo, 1/kas MODIS AM_PM Strahler, Huste et 2670 AM 10%:: 5% 1/mo, 1/kas MODIS AM_PM Strahler, Huste et 2670 AM 10%:: 5% 1/mo, 1/kas				ASIEK		Schmigge	1791	\dashv	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A :: Sfc	
Vegetation Extent 3400 ASTER AMI Schrnugge 1791 BM 1 mm/day:: 0.5 mm/day HIRIS AM2 Ustiti, Vessman 2741 BM 20%:: 10% 1/(2-16 day) Vegetation Extent 3401 MODIS AM2PM Smaller, Huste et. 2649 AM 10%:: 10% 1/(2-16 day) MODIS AM.PM Smaller, Huste et. 2669 BM 10%:: 5% 1/mo, 1/eas MODIS AM.PM Smaller, Huste et. 251 BM 0.01:: 0.01 1/day, 1/wk, 1/mo MODIS AM.PM Smaller, Huste et. 257 AM 10%:: 5% 1/mo, 1/eas MODIS AM.PM Smaller, Huste et. 257 AM 10%:: 5% 1/mo, 1/eas MODIS AM.PM Smaller, Huste et. 257 AM 10%:: 5% 1/mo, 1/eas MODIS AM.PM Iunico, Huste et. 257 AM 10%:: 5% 1/mo, 1/eas	CICENSON	Vegelation Evaporans	3325 2325								Med res :: Land		
Vegetation Extent 3400 HIRIS AMZ Uctin, Wessman 2741 BM 20% :: 10% 1/(2-16 day) ASTER AMJ Gillespie 2747° AM 10% :: 10% 1/(2-16 day) Vegetation Extent 3401 MODIS AMZ Wessman 2644 AM 10% :: 10% 1/(2-16 day) MoDIS AM_PM Strabler, Huete et al. 2669 BM 10% :: 5% 1/mo, 1/seas MODIS AM_PM Strabler, Huete et al. 2570 AM 10% :: 5% 1/mo, 1/seas MODIS AM_PM Justice, Huete et al. 2570 AM 10% :: 5% 1/mo, 1/seas MODIS AM_PM Justice, Huete et al. 2749 AM 0.01 :: 0.01 1/day, 1/mo				ASIEK		Schmugge	1791	-	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A :: Sfc	
Vegetation Extent 3401 AM.PM Untile, Wessman 2741 BM 20% :: 10% 1/(2-16 day) MoDIS AM.PM Strabler, Huete et al. 2544 AM 10% :: 10% 1/(2-16 day) MoDIS AM.PM Strabler, Huete et al. 2569 BM 10% :: 5% 1/fmo, 1/seas MODIS AM.PM Strabler, Huete et al. 2571 BM 0.01 :: 0.01 1/day, 1/mt, 1/mo MODIS AM.PM Justice, Huete et al. 2770 AM 10% :: 5% 1/fmo, 1/seas MODIS AM.PM Justice, Huete et al. 2770 AM 0.01 :: 0.01 1/day, 1/mt, 1/mo	DICKINSON	Vegelation Extent	ा 2400 2400								High res :: Land		
Vegetation Extent 3401 AMILES AM2 Westman Westman Westman Westman 2644 AM 10% :: 10% 1/(2-16 day) MoDIS AM_PM MoDIS AM_PM MoDIS Strabler, Huete et al. 2751 BM 10% :: 5% 1/mo, 1/seas MODIS AM_PM MoDIS Strabler, Huete et al. 2751 BM 10% :: 5% 1/mo, 1/seas MODIS AM_PM Jamice, Huete et al. 279 AM 10% :: 5% 1/mo, 1/seas MODIS AM_PM Justice, Huete et al. 279 AM 0.01 :: 0.01 1/day, 1/wk, 1/mo				HIRIS		Ustin, Wessman	2741	BM	20% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	
Vegetation Extent 3401 HIRLS AM2 Westman 2644 AM 10% :: 10% 1/(2-16 day) MoDIS AM_PM Strabler, Huete et al. 2669 BM 10% :: 5% 1/mo, 1/seas MODIS AM_PM Strabler, Huete et al. 2571 BM 0.01 :: 0.01 1/day, 1/mv, 1/mo MODIS AM_PM Justice, Huete et al. 2770 AM 10% :: 5% 1/mo, 1/seas MODIS AM_PM Justice, Huete et al. 2749 AM 0.01 :: 0.01 1/day, 1/mv, 1/mo				ASTEK	Ī	Gillespie	2747	¥			15 m :: Lend/R,L	N/A :: Sfc	
MODIS AM_PM Strabler, Huete et 2669 BM 1056.:: 5% 1/mo, 1/leas 1/mo, 1/				HIKES		Wessman	264 44	₹	10% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	_
AM.PM Strabler, Huete et a 2569 BM 10%::5% 1/mo, 1/seas AM.PM Justice, Huete et a 2751 BM 0.01::0.01 1/day, 1/wt, 1/mo AM.PM Strabler, Huete et a 2570 AM 10%::5% 1/mo, 1/seas AM.PM Justice, Huete et a 2749 AM 0.01::0.01 1/day, 1/wt, 1/mo	DICKINSON	Vegelation Extent	ा 0¥								Med-low res:: Land		
AM.PM Justice, Huete et a 2570 AM 10%::5% 1/mo, 1/cas AM.PM Justice, Huete et a 2749 AM 0.01::0.01 1/day, 1/wt, 1/mo			1_	MODIS	Ť	Strahler, Huete et	5992	BM BM	10%:: 5%	1/тю, 1/sевs	1 km :: Land	N/A :: Sfc	
AM.PM Strahler, Huete et a 2570 AM 10% :: 5% 1/mo, 1/seas AM.PM Justice, Huete et a 2749 AM 0.01 :: 0.01 1/day, 1/wk, 1/mo			_1.	MODIS	T	Justice, Hucte et a	2751	æ	0.01 :: 0.01	1/day, 1/wk, 1/mo	1 km :: Land/R	N/A :: Sfc	
AM, PM Justice, Hucke et at 2749 AM 0.01 :: 0.01 1/day, 1/wio				MODIS	7	Strahler, Hucte et	2670	¥	10%:: 5%	1/то, 1/sсая	5 km :: Land	N/A :: Sfc	
			1	MODIS	┑	Justice, Hucte et a	2749	ĕ	0.01 :: 0.01	1/day, 1/wk, 1/mo	10 km :: Land	N/A :: Sfc	

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Appendix L: IDS Input Requirements and Match Products by IDS Investigator

				200				-		T	10,11	Vontent
Vegetation light 1972 AAD Unimary 2656 BIA 4056 257 Inch 10 (10 (10 (10 (10 (10 (10 (10 (10 (10	Investigator	ata Product	Prod #			Investigator	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
HIERS AAD United 2655 BM 40% 2556 BM 1(2) 16 49)	Dickinson		3402								Med-low res :: Land	
Vegetation Relate, Leef Jords (RM) 1909 HANDIN ANAPM Remark 2840 BM 0.1-0.25:: 2.0% 1/40, [MK] Vegetation Reflection of Relation Rel				HIRIS		Ustin	2656	BM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Vigeration Reference, Reference	Dickinson	Vegetation Index, Leaf Area, (LAI)	3406								Low res :: Land	
Vegetation Reflectance, Bi-dancels and 1,000. AND Three Multer 2015 AND 556-12-56 1159-1-104				MODIS		Running	2680*	BM	0.1-0.25 :: 5-20%	1/day, 1/wk	pixel_size :: Land/G,R,L	N/A :: N/A
MODIS AAPM Teac, Mailer 1502 BM 155a 5.5 145b 1	Dickinson	Vegetation Reflectance, Bi-directional, (BRL									<0.5-1 deg :: Land	
MODIS AAP Dises AA SS : 2% AA SS : 2% AA AA AA AA AA AA AA		•		MODIS		Tarre, Muller	2425*	ВМ	15%:: 5 - 8%	1,/day, 1/wk	10 km :: G,R	N/A :: Sfc
Vigeration Roughester MODIS AALPM Miller, Straker 3669 AAN 55 a. 55 a. 164y AALPM AA				MISR		Diner	2631	ΑM	5% :: 2%	1/(5-16 day) [d]	1.92 km :: G	N/A :: Sfc
Vegetation Roughests 3404 MoDISS AAMPH Terre Abuller 1559 - AM 158 - 5 - 8% 1649, 104k Vegetation Temperature 334 MoDISS AAMPH Temp Abuller 1550 - AM 158 - 5 - 8% 1649, 104k Vegetation Temperature 334 MODISS AAMPH Temp Abuller 1550 - AM 158 - 5 - 8% 1649, 104k Vegetation Temperature 3405 MODISS AAMPH Stabler, House of 2670 BM 1068, 158 1000, 1000 I Windrads Euror 3408 MODISS AAMPH Stabler, House of 2670 BM 1068, 158 1070, 1649 I Windrads Euror 3408 AMDISS AAMPH Stabler, House of 2670 BM 1068, 158 1070, 1649 I Windrads Euror 3408 AMDISS AAMPH Stabler, House of 2670 BM 1068, 158 1070, 1649 I Windrads Euror 3408 AMDISS AAMPH Stabler, House of 2670 BM 1068, 158 1070, 1649 Stown Coulor, Well 3408 AAMPH Stabler, House of 2670 <td></td> <td></td> <th></th> <td>MODIS</td> <td></td> <td>Muller, Strahler, 7</td> <td>€699€</td> <td>AM</td> <td>5%:: 3%</td> <td>1/day</td> <td>1 km :: Land/R</td> <td>N/A :: Sfc</td>				MODIS		Muller, Strahler, 7	€699€	AM	5%:: 3%	1/day	1 km :: Land/R	N/A :: Sfc
MODING AMAPM Times, Molling 1557 814 158:2.5 85 1/40x 1/40x	Dickinson	Vegetation Roughness	3404								Med-low res :: Land	
MODIS AMAPH Three Mailer Three MODIS AMAPH Three Mailer Three MODIS AMAPH MAILER MODIS AMAPH MAILER MODIS MODIS AMAPH MAILER MODIS			•	MODIS	Γ	Tarre, Muller	1557•	BM	15% :: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A :: Sfc
Vegtedion Tanger all et al. 1300 AMJPN Varia 5400 AMJ 130 130 140			•	MODIS		Tarre, Muller	1556	AM	15% :: 5 - 8%	1/day, 1/wk	1 km :: G,R	N/A :: Sfc
Vigitation Taye attack Vigitation Taye MODIS AMJPM Name 2445 BM 1.5 C.: 1 C 1649, 1/bit C				MODIS	Π	Muller, Tarre	3670	AM	5%:: 3%	1/day	1 km :: Land/R	N/A :: Sfc
MODIS AM-PM Wan 2455 BM 13C 15dy, lark MODIS AM-PM Stabler, Hone of 2070 BM 10% :19% 11m; liears 10m; li	Dickinson	Vesetation Temografiere	3394								<05-1 deg :: Land	
Highest Electric Load 500 Highest ANI Modern 500 Highest ANI Highest ANI Modern 500 Highest ANI Highe				MODIS		Wan	2485	BM	1-3 C :: 1 C	1/day, 1/wk	10 km :: Land	N/A :: Sfc
MODIS AAJPA Stable, Hose of 260 BM 1004::5% 1000. 1004: 10	Dickinson	Vesetation Type	3405								<0.5-1 deg :: Land	
MODIS MAPH Stablet, Hate of 2669 AM 1068; 156 1/10, 1649) 1/10, 1/10				MODIS	Г	Strahler, Huete et	2670	ВМ	10%:: 5%	1/mo, 1/scas	5 km :: Land	N/A :: Sfc
road Wellands Eurori 400 AALPM Stantier, Haber of 2669 BNA 1006;:1054 11(2:16 day) son Wellands Eurori 3138 STINGSCAT CHEM Freilich 1679 BM ::106;:15 day 11(2:16 day) Albeds, Specraf Land, sfee, Total 3178 STINGSCAT CHEM Freilich 1679 BM ::106;:15 day 11(2:16 day) Albeds, Specraf Land, sfee 2707 MISS AM Disert 2021 BM ::106;:16 day 11/2 day) Snow Cover 3500 Cover 1000 HIRIS AM Disert 2021 BM ::106;:106 11/2 Lino Snow Cover 3500 Hiris AM Disert 2021 BM ::106;:106 11/2 Lino Snow Cover 3500 Cover, Well 3000 HIRIS AMZ Desire 300 BM ::106;:106 11/2 Lino Snow Cover, Well 301 HIRIS AMZ Desire 2009 BM ::066;:106 11/2 Lino Snow Cov				MODIS		Strahler, Huete et	5669	₩	10%:: 5%	1/mo, 1/scas	1 km :: Land	N/A :: Sfc
son Wellands Extent 3609 NODIS AM,PM Stanler, Huere of 2669 BM 10% : 5% Into. Users C son Wind Velocity, Sea_3fc 3133 STIKSCAT CHEM Fellich 1679 BM ::7%, 16 dgg Int. Lines 1.02 day) C Albeds, Spectral, Land, 3fc 2000 MISR AM Discrete 2001: 0.01 Int. Lines Int.			•	HIRIS		Wessman	2644	AM	10%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
Mode Man Man Mode Mo	Dickinson	Welonds Extent	3408								Low res :: Land	
son Wind Velocity, Sea_3fc 3338 CHEAN Feelina 1679 BM : 778,16 deg 11/2 day) Albedo, Specral, Land_3fc 2020 Albedo, Specral, Land_3fc 2020 AM : 108,116 deg 11/2 day) 11/2 day) Albedo, Specral, Land_3fc 2020 MISS AM Dozier 2440 AM : 108,116 deg 11/2 day) 11/2 day) Snow Contaminant Conc 2707 HIRIS AM Dozier 2440 AM : 108,116 deg 11/2 day) 11/2 day) Snow Conce, Wed 3008 HIRIS AM2 Dozier 2768 BM 206,220% 11/2 day) 11/2 day) Snow Cone, Wed 3008 HIRIS AM2 Dozier 3019 BM 206,220% 11/2 day) 11/2 day) Snow Cone, Wed 3028 AM2 Dozier 3019 BM 266,220% 11/2 day) 11/2 day) Snow Cone, Wed 3028 AM2 Dozier 3019 BM 266,220% 11/2 day)				MODIS	AM.PM	Suahler, Huete et	L	BM	10%:: 5%	1/mo, 1/seas	1 km :: Land	N/A :: Sfc
STINSCAT CHEM Felich 1679 BM ::74, 16 64g 1/(2 day)	Dickinson	Wind Velocity, Sea sfc	3338								<0.5-1 deg :: Ocean	
Sheeds, Spectral, Loud. sjc. 2020		t		STIKSCAT		Freilich	1679	BM	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near_Sfc
Abedo, Specral, Lond, 3fc 1000				STIKSCAT		Freilich	1680	ΑM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A:: Near_Sfc
MISS AM Dior 2021; BM C=000::001 1(5:16 day) d	Dozier	Albedo, Spectral, Land sfc	2020						5%::1%	I/wk, I/mo	50 m :: Land/L	
HIRIS AM2 Dozier 2440 AM- 556;:156 1/wk; I/mo		.		MISR		Dince	2021•	BM	<=0.03 :: 0.01	1/(5-16 day) [d]	240 m :: R	N/A :: Sfc
Snow Cover 2005 HIRIS AM2 Dozier 2048 2006 I/v.k. I/mo Soft :: 20% I/v.k. I/mo I/v.k. I/mo Soft :: 20% I/v.k. I/mo I/v.k				HIRIS		Dozier	2440	À.	5%:: 1%	1/wk, 1/mo	50 m :: Land/L	N/A :: Sfc
Show Cover 3008	Dozier	Snow Contaminant Conc	2767						20% :: 20%	IIwk, IImo	SO m :: Snow!L	
Snow Cover 3008 HIRIS AMZ Dozier 3019 BM 10%::10% I/wk, I/mo 5 Snow Cover, Well 3028 HIRIS AMZ Dozier 3019 BM 10%::10% I/wk, I/mo I/wk, I/mo Snow Grain Size 3037 HIRIS AMZ Dozier 3029 AM 5%::2% I/wk, I/mo I/wk, I/mo Snow Grain Size 3037 HIRIS AMZ Dozier 3029 AM 5%::2% I/wk, I/mo I/wk, I/mo Snow Liq-waler Content 3039 HIRIS AMZ Dozier 2943 BM 200%::200% I/wk, I/mo Snow Temperature, Sjc 2500 HIRIS AMZ Dozier 2943 BM 100%::100% I/wk, I/mo Topographic Elevation, Land sjc 2500 ASTER AMI Kahle, Bocker, Cl. 248 BM 100%::00% I/wk, I/mo Acrost Cone 1000 ASTER AMI Kahle, Bocker, Cl. 248 AM 100%::00% I/wk, I/mo Acros				HIRIS		Dozier	2768	BM	20%:: 20%	1/wk, 1/mo	50 m :: Snow/L	N/A :: Sfc
HIRIS AM2 Dozier 3019 BM 5%::2% I.Nr. I.Imo II.Nr. III.Ir. III.Nr. II.Nr. III.Nr. III.	Dozie	Snow Cover	3008						10% :: 10%	IIwk, IImo	50 x 50 m :: Land/L	NIA :: Sfc
Snow Cover, Wet 3028 HIRIS AM2 Dozier 3030 BM 10%::10% 1/wk, 1/mo Snow Grain Size 3037 AM2 Dozier 3039 AM 5%::2% 1/wk, 1/mo Snow Grain Size 3037 HIRIS AM2 Dozier 3038 BM 10%::20% 1/wk, 1/mo Snow Liq water Content 3039 HIRIS AM2 Dozier 2943 BM 100%::100% 1/wk, 1/mo Snow Temperature, S/G 2500 ASTER AM1 Kahle, Becker, Cl. 2943 BM 1-6 K::0.3 K 1/wk, 1/mo Topographic Elevation, Land s/G 2823 AM,PM Wan 2843 AM 1-6 K::0.3 K 1/wk, 1/mo Aerosol Conc 1006 ASTER AM,PM Wan 2838 AM 1-6 K::0.3 K 1/kk, 1/mo Aerosol Conc 1006 ASTER AM,PM Wan 2838 AM 1-6 K::0.3 K 1/kk, 1/mo Aerosol Conc 1006 ASTER AM,PM Kahle, IGT 2828 <td></td> <td></td> <th></th> <td>HIRIS</td> <td>AM2</td> <td>Dozier</td> <td>3019</td> <td>BM</td> <td>5%:: 2%</td> <td>1/wk, 1/mo</td> <td>50 m :: Cryo/L</td> <td>N/A :: Sfc</td>				HIRIS	AM2	Dozier	3019	BM	5%:: 2%	1/wk, 1/mo	50 m :: Cryo/L	N/A :: Sfc
HIRLS AM2 Dozier 3029 AM 5% :: 2% 1/wk, 1/mo	Dozier	Snow Cover, Wet	3028						10% :: 10%	IIWK, IImo	SO M :: SnowlL	
Show Grain Size				HIRIS	AM2	Dozier	3030	BM	10%:: 10%	1/wk, 1/mo	50 m :: Cryo/L	N/A :: Sfc
Snow Grain Size 3037 HIRIS AM2 Dozier 3038 BM 200% :: 200% I/wk, I/mo Snow Liq-water Content 3039 HIRIS AM2 Dozier 2943 BM 100% :: 100% I/wk, I/mo Snow Liq-water Content 2500 HIRIS AM2 Dozier 2943 BM 100% :: 100% I/wk, I/mo Snow Temperature, Sfc 2500 ASTER AMI Kahle, Becker, Cl. 2483 BM 1-6 K :: 0.3 K I/wk, I/mo Topographic Elevation, Land_sfc 2823 AM ASTER AMI, Maine, Becker, Cl. 2483 BM 1-6 K :: 0.3 K I/mission Acrosol Conc 1000 ASTER AMI, Maine, Becker, Cl. 2483 BM 1-6 K :: 0.3 K I/mission Acrosol Conc 1000 ASTER AMI, Maine, Becker, Cl. 2483 AM 1-6 K :: 0.3 K I/mission Acrosol Conc 1000 ASTER AMI, Maine, Icl. 100 ASA ASO MI:: 30m I/mission Acrosol Conc 1000 ASTER ARMI ASTER ASA ASA				HIRIS	AM2	Dozier	3029	VΜ	5%:: 2%	1/wk, 1/mo	50 m :: Glacier/L	N/A :: Sfc
HIRIS AM2 Dozier 3038 BM 200% :: 200% 1/wk, 1/mo	Dozie	Snow Grain Size	3037						200% :: 200%	liwk, Ilmo	50 m :: Snow/L	
Snow Liq-water Content 3039 HIRIS AM2 Decier 2943 BM 100%::100% Snow Temperature, Sfc 2500 ASTER AM1 Kahle, Becker, Cl. 2483 BM 1.6 K:: 0.3 K Topographic Elevation, Land_sfc 2823 ASTER AM1 Kahle, IGI 2828 AM 1.00%::100% Acrosol Conc 1000 HIRDLS CHEM Burnett, Gille 1992 AM 5.10%::1.10% SAGE-III ARRO,CHEM McComick 1012 AM 55%::1.10%				HIRIS	AM2	Dozier	3038	BM	200% :: 200%	1/wk, 1/mo	50 [km?] :: Snow/L	N/A:: Sfc
SnowTemperature, Sfc 2500	Dovie	Snow Lig-water Content	3039						100% :: 100%	IIWK, IImo	SO m :: Snow/L	
SnowTemperature, Sfc 2500				HIRIS	AM2	Dozier	2943	BM	100%:: 100%	1/wk, 1/mo	50 m :: Snow/L	N/A :: Sfc
ASTER AMI Kahle, Becker, Cl. 2481 BM 1-6 K:: 0.3 K Topographic Elevation, Land_stc 2823 ASTER AMI Kahle, IGI 2828 AM 1 C:: 1 C Asterosol Conc 1000	Dorie	Snow Temperature, Sfc	2500						1 K :: 0.3 K	I/wk	S00 m :: SnowlL	
Topographic Elevation, Land_stc 2825				ASTER	AMI	Kahle, Bocker, C	1	BM	1-6 K :: 0.3 K	1/(2-16 day)	90 m :: Land	N/A :: Sfc
Topographic Elevation, Land_stc 2825				MODIS	AM,PM	Wan	2484	¥	1C::1C	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc
ASTER AMI Kahle, JGI 2828 AM >50 m ::>30 m Acrosol Conc 1006	Dorier	Topographic Elevation, Land ofc	2825						10 m :: 1 m		20 m :: Land/L	:: 5/c
Aerosol Conc 1006 CHEM Barnett, Gille 1992 AM \$-10% 1-10% SAGE-III AERO,CHEM McCormick 1012 AM 55%::5% 30m::15m				ASTER	AMI	Kahle, JGI	2828	¥	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc
HIRDLS CHEM Bamet, Gille 1992 AM 5-10%: 1-10% SAGE-III AERO, CHEM McCormick 1012 AM 5-10%: 1-10%	Grase	Aerosol Conc	1006						20%:: 10%	2/407	15x4 dg :: G	2 km :: Strat
SAGE-III AERO,CHEM McCormick 1012 AM 5%::5%				HIRDLS	CHEM	Barnett, Gille	1992	¥	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-30 km
2000				SAGE-III	AERO, CHEM	McCormick	1012	ΨV	5% :: 5%	1/(2 min), 30/day	<2x< dg::G	1 km :: 0-40 km
Bro Conc	Grase	Bro Cone	1026						20% :: 15%	l/wk	30 x 4 dg :: G	3 km .: Strat
MLS MO Waters 1030 BM :: 1x10-12 1/mo. [z. mean]				MLS	ОМ	Waters	1030	BM	:: 1x10.12	1/mo. [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 15-50 km

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	IDE farms Date Design										
Investigator	4	Prod #	Instr	Platforme	Investigator Product	Product Product	Match	Accuracy Abs :: Del	Temporal	Horizontal	Vertical
Grose	1	1050			300	3		162 62	Nesotation	20=4.4-C	Kesol :: Cover.
		3	HIRDLS	CHEM	Barnett, Gille	1055	BM	5-10% :: 1-10%	2/day [d.n]	4×4 de :: G	3 km :: Strat
Grose	CFC-12(CF2CB) Conc	1042						15% :: 5%	1/wk	30x4de::G	3 km Strat
			HIRDLS	CHEM	Barnett, Gille	1047	BM	5-10% :: 1-10%	2/day [d.n.]	4×4 dg :: G	1 km :: 7-30 km
Grase	CH3CI Conc	1065						15% :: 5%	I/wk	30x4dg :: G	3 km :: Strat
			MLS	MO	Waters	1070	BM	:: 1x10-11	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 40 km
Grose	CH4 Conc	1074						15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
			HIRDLS	CHEM	Barnett, Gille	1085	BM	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-65 km
			SAFIRE	МО	Russell	1086	¥	:: 7% (15-55km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-65 km
			TES	CHEM	Bear	1089	¥	:: 40 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
		1	TES	CHEM	Beer	1088	¥	:: 30 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
			TES	CHEM	Beer	1087	ΑM	:: 14 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
Grose	CO Conc	9111						15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
			MLS	МО	Waters	1124	BM	<=5% :: 3x10-8	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 60 km
		1	MLS	МО	Waters	1125	ВМ	<=5%:: 1x10.5	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 60-100 km
			TES	CHEM	Beer	1128	ΑM	:: 15 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
			MOPITI	AMI	Drummond	1126	AM	:: 10%	1/(0.4 s) [?]	22 km :: G	34 km :: 0-15 km
Grose	CO2 Conc	1138						1% :: 0.5%	Imo	ZM :: G	10 km :: Mid-atmos
			TES	CHEM	Beer	3637	ВМ		1/(16 day)	16 x 5 km :: L	
Grose	CIO Conc	1103						20% :: 10%	2/day	30 x 4 dg .: G	3 km :: Mid-atmos
			MLS	МО	Waters	1107	BM	<=5%:: 0.3-3x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 70 km
Grose	Cloud XXX, PSC	3307						20% :: 10%	2/day	15x4dg::G	2 km :: Strat
			HIRDLS	CHEM	Barnett, Gille	1408	ВМ	0.4 km :: 0.4 km	2/day [d,n]	4 x 4 dg :: G	0.4 km :: Strat
			SAGE-III	AERO,CHEM		1437	ΑМ	0.2 km :: 5%	1/(2 min), 30/day	<2x<1 dg :: G	1 km :: Strat/Trop
			GLRS-A	ALT	Spinhime et al	1405	Ψ¥	150 m ::	1/(2-16 day)	2-200 km :: Polar	75 m :: Strat
Grose	H2O Conc	1181						15%::5%	2/day	30 x 4 dg :: G	3 km :: Tropimeso
			SAFIRE	QW W	Russell	1839	M.	:: 5% (20-80 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-100 km
		_1	AIRS	Æ	Chedin, Fleming.	1828	₹	10%:: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
			MLS	MO	Waters	1838	Ę	:: 2% <50km	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: TPSE, 100 km
		L	TES	CHEM	Bear	1842	ΨV	:: 50 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
,			HIKDLS	СНЕМ	Barnett, Gille	1837	¥	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km
Grase	H2O2 Conc	9911						25% :: 10%	2/day	30 x 10 dg :: G	3 km :: Strat
			SAFIRE	MO	Russell	1172	BM	:: 7% (30-35 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-50 km
,	7		MIS	MO	Waters	1171	₹	:: 1x10-10	1/day [z. mcan]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 30-40 km
Crose	HBT CONG	e 82						25% :: 10%	Ilday	30 x 4 dg :: G	3 km :: Strat
ţ	000	2	SAFIKE	OM	Kussell	021	BM	:: 10% (25-35 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 15-40 km
crose	ncicone	7911						15%:: 10%	IIday	30 x 4 dg .: G	3 km :: Mid-atmos
			MIS	OW S	Waters	88	BW S	<=5% :: 0.1-10x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 90 km
			MLS	OW S	Waters	11889	ME :	<=5% :: 0.1-10x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 80 km
1	· · · · · · · · · · · · · · · · · · ·		SALING	O.	Russell	/811	¥	:: 3% (25-53) km)	1/(36-728)[7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-65 km
Crose	Hr Conc	61 61						25% :: 10%	1/40y	30 x 4 dg :: G	3 km :: Strat
			SAFIKE	OW	Kussell	61	WM	:: 15% (40-60 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 40-60 km
Grase	HNO3 Conc	88 /						20% 5%	2/407	30 x 10 dg :: G	3 km :: Mid-asmos
		!-	HIKULS	CHEM	Barnett, Gille	1202	BW.	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km:: 10-40 km
		1	MIS	2	Waters	1203	¥ :	<=5% :: 5x10-10	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 46 km
			TES	OHEM THEM	Russell	1204	¥ ¥	:: 7% (15-40 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-45 km
		1	-	W. 150.		1400	į	App C :	1/(10 day)	190 x 23 km :: G	2.3 km :: 4-12 km

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Proof Inst. Inst. Proof Inst. Inst. Proof Inst. Inst. Proof Inst. Inst		IDS Input Data Product	_	EO	EOS Instrument	Output Data Product	roduct		Accuracy	Temporal	Horizontal	Vertical
107 Color 113 24788 MO Name 121 12	Investigator	4	Prod #	Instr.		Investigator	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
1000 1000	Grase	1	1212	-					25% :: 10%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos
			<u> </u>	SAFIRE		Russell	1217	BM	:: 7% (30-60 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-75 km
				MLS		Waters	1216	AM	:: 3-20x10-10	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 30-80 km
March Marc	Grase	HOCI Conc	1218						20% :: 10%	2/day	30 x 4 dg :: G	3 km :: Strat
Mail				SAFIRE		Russell	1223	BM	:: 7% (35-40 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-45 km
Trinsible				MLS		Waters	1222	AM	:: 3x10-11	1/day	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 25.45 km
NOT Case 1729 SOLSTICE NO Returne 277 BM 1584-24 1147 1147 NOLSMINA 1584-148 1147 114	Grase	Irradiance, Solar	1722						86 :: 1%	2/day	15x4dg:: G	:: T0A
NOTO Concern 1239 HEROLS CHEM Barren Citie 1294 BM 51998-11056 1014-1249 1014-1249-11056 1014-1249			1	SOLSTICE	МО	Rottman	8722	BM	<5%::<1%	1/hr	N/A :: N/A	N/A:: NA
NOT Conc. 120 SAFTER S	Grase	N2O Conc	1229						15%::5%	I/day	30 x 4 dg :: G	3 km :: Mid-atmos
NOT Conc. 120 Not. 1200 AM Conc.			1	HIRDLS	CHEM	Barnett, Gille	1239	BM	5-10% :: 1-10%	2/day [d.n]	4 x 4 dg :: G	1 km :: 7-60 km
Mode				SAFIRE		Russell	1241	¥	:: 15% (20-35 km)	1/(18-72 s) [7]	25 x 1-5 dg :: 86S-86N	1.5 km :: 20-40 km
120 Title Title Citle See 124 AM 10 per			.1	MLS		Waters	1240	¥	<=5%:: 1-10x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 65 km
MO Conc. 1200 SAUTHE MO CONC. 1200 S			•	TES	İ	Beer	1243	¥	:: 10 ppc	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
NO Conc. 1202 SAPPIRE NO Reserved 1224 AM 1/164	Grose	N2O5 Conc	1250						20% :: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-armos
NO Conc. 120	!		.1	HIRDLS	CHEM	Barnett, Gille	1254	BM	S-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 13-45 km
NO Cone 1202 Mass NO Wester 1266 NA 115 1264				SAFIRE	МО	Russell	1255	¥	:: 10% (20-40 km)	1/(18-72 s) [7]	25 x 1-5 dg :: 86S-86N	1.5-3 km :: 10-45 km
1250 1250	Grose	NO Conc	1262						15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-amos
Title CHEM Beer 1266 AM 22 Bpp 1166 day 106 t2 bm : CHEM Beer 1266 AM 22 Bpp 1166 day 106 t2 bm : CHEM Bernet, Gille 1273 AM 216 t3 16.0 2404 j.Gol 204 j.Gol 244 t3 6.0 264 g. EMA 245 g. EMA				MLS	OW	Waters	1266	ВМ	:: .1-10x10-7	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 30-120 km
HINDLESS FORCE 1269 HINDLESS CHIDAN Binnet, Clife 1277 MA 51-06 51-06. 2day [dat] 01.12.54 dg.: CHIDAN CHIDAN Massell 1275 AA 51-06 51-06. 140-16 CA x of ag.: Bear 20 a. 2 a			•	TES	CHEM	Beer	1268	ş	:: 25 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
HBDLS CHEM Brenet, Glie 127	Cross	NO2 Cone	1269						15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-aimos
MISS MO Witten 1273 AM ::18-10-49 1/(18-72-0)-10 25.11-54g::185-808 20.09 (dan			HIRDLS	CHEM	Barnett, Gille	1273	BM	5-10% :: 3-10%	2/day [d,n]	4×4 dg :: G	1 km :: 10-55 km	
SAFTRE NO Paper 177				MLS	MO	Waters	1274	Æ	:: 1-8x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 30-60 km
SAGE AERO,CHEM ACO-mick 1278 AM 10% : 10% : 10% 10% : 10% 10% : 10% 10% : 10% 10% : 10% 10% : 10% 10%			•	SAFIRE	MO	Russell	1275	¥	:: 5% (20-55 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 15-60 km
SACIE III AERO, CHEM McComite 1277 AM 10% :: 1580 1/(10 kay) 1/(10				SAGE-III	AERO CHEM	McCormick	1276	Ą	10%:: 10%	1/(2 min), 30/day	<2 x <1 dg :: Polar	1 km :: 10-50 km
TES CHEM Bee 1278 AM ::500 ppt I/(16 day) I(60 x 2) bm::G				SAGE-III	AERO, CHEM	McCormick	1271	¥	10% :: 15%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 20-50 km
1279 SACPE ANO Russell 1290 BM 115% 110min, 30day 0.2x 4 q; G G G G G G G G G G				TES	CHEM	Bear	1278	ΑĀ	:: 500 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
SACIE III ACROCHEM McComict 1292 BM 109s.:1096 11/2 min), 30/day C2 x cl dg ::O	Sugar	NO3 Conc	1279						20% :: 10%	IIday [n]	30 x 4 dg :: G	3 km :: Mid-aimos
1204 1204 1204 1204 1205 1204 1205 1205 1104 1105 1104 1105 1104 1105 1104 1105	3			SAGE-III	AERO,CHEM	McCormick	1282	BM	10%:: 10%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 20-55 km
SAFIRE MO Russell 1296 BM ::15%(110-180 km) 1/(36-72-5)[?] 25 x 2.55 sg :: 86S-86N	Gross	O(3P) Conc	1294						30% :: 10%	IIwk	30 x 4 dg G	3 km :: Mid-atmos
O3 Conc HIRDLS CHEM Barnett, Gille 1318 BM 5-10%::1-10% 2day [d.n] 4x4dg::G MLS MLS CHEM Barnett, Gille 1318 AM <-3%::1-3%				SAFIRE	МО	Russell	1298	BM	:: 15%(110-180 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 90-180 km
HIRDLS CHEM Barnett, Gille 1318 BM S-104s.:1-11076 2ddy [d_n] 4 x 4 dg.:: G	2020	Of Conc	1306						2%,5%::2%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
MIS MO Waters 1319 AM \$\circ = 3\tilde{\text{c}} = 1\tilde{\text{K}}\circ \circ \cir				HIRDLS	CHEM	Barnett, Gille	1318	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km
SAFIRE MO Rusell 1320 AM ::5% (10-70 km) 1/(18-72 s)[?] 25 x 2.5.5 dg::863-86N SAGE-III AERO,CHEM McCormick 1321 AM 65%::5% 1/(2 min), 30/day -2x < 1 dg::Polar				MLS	МО	Waters	1319	W	<= 3% :: 1%(<50km)	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: TPSE, 110 km
SAGE-III AERO,CHEM McCormick 1321 AM 658.:55 1/(2 min), 30/day C2 x < 1 dg :: Polar				SAFIRE	WO	Russell	1320	Æ	:: 5% (10-70 km)	1/(18-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	1.5-3 km :: 10-100 km
OCIO Conc 1349 AERO,CHEM McCormick 1353 BM 20% :: 10% 1/(2 min), 30/day -2.x <ld g::="" g<="" th=""> ALS MLS MO Waters 1352 AM :: 3x10-11 1/mo. [z. mem] 0.1 x 2.5 dg:: 82N-82S OH Conc 1355 AM :: 3x10-11 1/mo. [z. mem] 0.1 x 2.5 dg:: 82N-82S OH Conc 1355 AM :: 3x10-11 1/mo. [z. mem] 0.1 x 2.5 dg:: 82N-82S OH Conc 1355 AM :: 7x (30-75 km) 1/(36-72 s) [?] 25 x 2.5-5 dg:: 82N-82S Pressure 1516 HRDLS CHEM Barnet, Gille 152A AM :: 1x(30-50 km) 1/3x-2 dg:: G Annis NO Waters 152A AM :: 1x(10-50 km) 1/(1x-72 s) [?] 25 x 1-5 dg:: 82N-82S Annis 1572 AM :: 1x(10-50 km) 1/(1x-72 s) [2] 25 x 1-5 dg:: 82N-82S Annis 1572 AM :: 1x(10-70 km) 1/(1x-72 s) [2] 25 x 1-5 dg:: 82N-82S Annis 1572 AM :: 1x(16-70 km)</ld>				SAGE-III	AERO, CHEM	McCormick	1321	¥	6%:: 5%	1/(2 min), 30/day	<2 x <1 dg :: Polar	1 km :: 6-85 km
SAGE-III AERO,CHEM McCormick 1353 BM 20% :: 20% 1/(2 min), 30/day -2.x < 1 dg :: G MIS MO Waters 1352 AM :: 3x10.11 1/mo. [z. mean] 0.1 x.2.5 dg :: 82N-82.5	Cross	OCIO Conc	1349						20% :: 10%	2/day	30 x 4 dg :: G	3 km :: Strat
OH Conc MIS MO Waters 1352 AM :: 3x10-11 1/70-(z mean) 0.1 x.2.5 dg:: 82N-82S OH Conc 1355 AM Russell 1360 BM :: 7% (30-75 km) 1/(36-72 s) [?] 25 x.2.5-5 dg:: 86S-86N Pressure 1516 AM Russell 1524 BM 0.1%:: 0.1% 2/day [d.] 4 x 4 dg:: G MIS MO Waters 1525 AM :: 1%(30-50km) 2/day [d.] 0.1 x 2.5 dg:: 86S-86N SAFIRE MO Russell 1525 AM :: 1%(30-50km) 1/(18-72 s) [?] 25 x 1-5 dg:: 86S-86N Temperature Profile 1572 AM :: 1%(30-50km) 1/(18-72 s) [?] 25 x 1-5 dg:: 86S-86N HIRDLS CHEM Barnet, Gille 1506 BM K;2K>50km:: 0.3K;1K>50k 2/day [d.] 4 x 4 dg:: G HIRDLS CHEM Barnet, Gille 1609 AM :: 2% (16-70 km) 2/day [d.] 4 x 4 dg:: G				SAGE-III	AERO, CHEM	McCormick	1353	BM	20%:: 20%	1/(2 min), 30/day	<2 x <1 dg :: G	2 km :: 15-25 km
OH Conc 1335 Russell 1360 BM ::7% (30-75 km) 1/(36-72 s) [7] 25 x 2.5-5 dg::86S-86N Pressure 1516 Mol.S Russell 1524 BM 0.1%::0.1% 2/day 1/3 x 4 dg::0 Pressure 1516 Mol.S Mol.S Musers 1524 BM 0.1%::0.1% 2/day [d.] 4 x 4 dg::0 All S MO Waters 1525 AM ::1%(30-50km) 2/day [d.] 0.1 x 2.5 dg::85-86N SAFIRE MO Russell 1526 AM ::1%(30-50km) 1/(18-72.5) [?] 25 x 1-5 dg::85-86N Temperature Profile 1572 AM ::1%(30-50km) 1/(18-72.5) [?] 25 x 1-5 dg::85-86N HIRDLS CHEM Barnet, Gille 1609 AM ::2% (16-70km) 2/day [d.] 4 x 4 dg::G MIS MO Waters 1609 AM ::2% <100km) 2/day [d.] 0.1 x 2.5 dg::82N-82S				MLS	WO	Waters	1352	¥	:: 3x10-11	1/mo. [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 25 km
Pressure 1516 MO Russell 1360 BM :: 7% (30-75 km) 1/(36-72 s) [7] 25 x 2.5-5 dg:: 86S-86N Pressure 1516 MIS MO Waters 1524 BM 0.1%:: 0.1% 2/day 15 x 4 dg:: G MLS MO Waters 1525 AM :: 1%(30-50km) 2/day [d.n] 0.1 x 2.5 dg:: 85x-85S SAFIRE MO Russell 1525 AM :: 1%(30-50km) 1/(18-72 s) [?] 25 x 1-5 dg:: 85x-85S Temperature Profile 1572 MO Russell 1526 AM :: 4%(30-50km) 1/(18-72 s) [?] 25 x 1-5 dg:: 85x-85N HIRDLS CHEM Barnet, Gille 1608 BM K;2K>50km:: 0.3K;1K>50k 2/day [d.n] 4 x 4 dg:: G MIS MO Waters 1609 AM :: 2K < 100km)	Gross	OHCORC	1355						25% :: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
Pressure 1516 HIRDIS CHEM Barnet, Gille 1524 BM 0.1%::0.1% 2/day 15x4 dg ::G MLS MO Waters 1525 AM ::1%(30-50km) 2/day [d.] 0.1x25 dg :: 82N-82S SAFIRE MO Russell 1526 AM ::1%(30-50km) 2/day [d.] 0.1x25 dg :: 82N-82S Temperature Profile 1572 MO Russell 1526 AM ::1%(30-50km) 1/(18-72.5) [?] 25x1-5 dg :: 86S-86N HIRDLS CHEM Barnet, Gille 1608 BM K;2K>50km::0.3K;1K>50k 2/day [d.] 4x4 dg :: G MIS MO Waters 1609 AM :: 2K<100km)				SAFIRE	MO	Russell	1360	BM	:: 7% (30-75 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-90 km
HIRDLS CHEM Barnet, Gille 1524 BM 0.1%::0.1% 2/day [d.n.] 4x4 dg::G	3000	Pressure	1516						0.05 :: 2%	2/day	15 x 4 dg :: G	3 km :: Mid-atmos
MLS MO Waters 1525 AM ::1%(30-50km) 2/day [d.n.] 0.1 x 2.5 dg :: 82N-82S				HIRDLS	CHEM	Barnett, Gille	1524	BM	0.1%:: 0.1%	2/day [d,n]	4 x 4 dg :: G	0.2 km :: 7-80 km
SAFRE NO Russell 1526 AM :: <2% (16-70 km) 1/(18-72 s) [?] 25 x 1-5 dg :: 86S-86N				MLS	WO	Waters	1525	W	:: 1%(30-50km)	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 70 km
Temperature Profile 1572				SAFIRE	MO	Russell	1526	AM	:: <2% (16-70 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-110 km
HIRDLS CHEM Barnet, Gille 1608 BM K;2K>50km: 0.3K;1K>50k 2/day [d.n.] 4 x 4 dg :: G MLS MO Waters 1609 AM :: 2K <100km) 2/day [d.n.] 0.1 x 2.5 dg :: 82N-82S	Grase	Temperature Profile	1572						2 K :: 05 K	2/day	15x4dg::G	2 km :: Mid-atmos
MO Waters 1609 AM :: 2K <100km) 2/day [d.n.] 0.1 x 2.5 dg :: 82N-82S				HIRDLS	CHEM	Barnett, Gille	1608	BM	K;2K>50km:: 0.3K;1K>50kd	2/dey [d,n]	4 x 4 dg :: G	1 km :: 7-80 km
				MLS	WO	Waters	1609	ΨV	:: 2K <100km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 120 km

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

		1001											
	\vdash	Product Name	Proof #	E0	SInstrument	Output Data	Product		Accuracy	Temporal	Horizontal	Vertical	
March Marc		Temperature Profile	3 5	Instr.		Investigator	LLOG #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.	
Mail		יייייייייייייייייייייייייייייייייייייי	7/61	SAFIRE	МО	Russell	1610	ΑM	:: <0.5K(16-65 km)	1/(18-72 s) [7]	25 x 1-5 dg :: 865-86N	1 5 km 10.110 km	
Mail		Wind Velocity	1662						Sm/s.10dg :: Sm/s,5dg	2/day	15 x 4 do :: G	2 b= Mid cens	_
Mail				MLS	MO	Waters	1734	AM-	:: 10m/s	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2] 60,110 t	
MISS AM Diese 229 BM 0.001/06s		Actoral Optical Depth	7001						tau=0.02 ::	Ilwk		III OIL O :: [a.c.]	
MISS AMP Disear Gible 1975 BM 0.050/06-0.050/070 9.16-9.7-mc.sted.yr				MISR		Diner	2299	RM M	0.05/10% :: 0.05/10%	1#5-16 day) [d]	15.4 km G	100	
HIRDLS GUEN Brenck Citie 1972 AM 5-106; 1-106 1-169-1 (a)				MISR		Diner	3676	BM	0.05/10% :: 0.05/10%	9.16 day: mo: seas: vr	154 km 2 · · G	Colletten :: Aumos	
MODIS				HIRDLS		Barnett, Gille	1992	¥	5-10% :: 1-10%	2/dav [d.n]	4 * 4 de :: G	1 the :: 2 and	
MODIS AMPP Tere, Kuffmen 239 AM 0.11 c.005 1.050				EOSP		Travis	7677	¥	0.2 :: 10%	1/dav [d]	40 km :: 0	Column: Assum	
MISS AMP Times, Kalman 299 AM 005,002 108y,1hoo 108y				MODIS	AM,PM	Kaufman, Tanre	2293	Ϋ́Υ	0.1 :: 0.05	1/dev 1/mo	C. The Co.	Nin : Atmos	
Market M				MODIS	AM,PM	Tanre, Kaufman	2294	Ş.	0.05 :: 0.02	1/day 1/mo	District Control	N/A :: Atmos	
Marie Mari	İ			GLRS-A		Spinhime et al	1622	Ą	20%::	1/(2-16 day)	2.200 km · G	N/A :: Atmos	
MUSR AMPPH Education 2299 BM 0.05/10/64; 0.05/10/64 1/5.1 is day.] MUSR AMPPH Education 2294 AM 0.05/10/64; 0.05/10/64 1/6.5 is day.] MUSR AMPPH Tear. Keatimen 2294 AM 0.05/10/64; 0.05/10/64 1/6.5 is day.] MUSR AMPH Tear. Keatimen 2294 AM 0.05/10/64; 0.05/10/64 1/6.5 is day.] MUSR AMPH Determ 2294 AM 0.05/10/64; 0.05/10/64 1/6.5 is day.] MUSR AMPH Determ 2294 AM 0.05/10/64; 0.05/10/64 1/6.5 is day.] MUSR AMPH Determ 2294 AM 0.05/10/64; 0.05/10/64 1/6.5 is day.] MUSR AMPH Determ 2294 AM 0.05/10/64; 0.05/10/64 1/6.5 is day.] MUSR AMPH Determ 2294 AM 0.05/10/64; 0.05/10/64 1/6.5 is day.] MUSR AMPH Multic Stabler 3469 AM 5/6; 1.6 is day. 1/649 MUSR AMPH Multic Stabler 3665 AM 5/6; 1.6 is day. 1/649 MUSR AMPH Multic Stabler 3665 AM 5/6; 1.6 is day. 1/649 MUSR MUSR MUSR MUSR 2/649 MUSR MU		Aerosol Optical Depth	2287		*				tau=0.02 ··	477	O:: -1 003	Sound: Whi	
MODIS AMPH Kachmen, Tane 229 AM 01::005 1:005 1:005				MISR		Dine	2299	BM	0.05/10% :: 0.05/10%	1//5-16 day) [d]	D. M. D. C.	:: Strat	
MODIS AAJPH Three Kardina 224 AAI 205:00 1/67; 1/69;				MODIS		Kaufman, Tanre	2293	Α¥	0.1::0.05	(b) (van b) (c)	0.54 km: U	Column :: Atmos	
COLMAN ALT Sprinter et al 201 AM 2046; 1.105 AM 2046; 2.105 AM 2046;				MODIS		Teure, Kaufman	2294	Æ	005::000	1/400 1/400	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A :: Atmos	
SAGE-III ARROCHEM MoCommick 1912 AM 549; 346 1/(2 mind.) 3 (day)				GLRS-A		Spinhime et al	2291	ξ	20%	1/2.16 day)	J. John H. C	N/A :: Atmos	
HRDLS CHEM Barnett, Gille 1992 AM \$1.056 :: 1.1054 2day Links Lin				SAGE-III		McCormick	1012	¥	5% :: 5%	1/(2-10 Cay)	O: WI 7 - C	N/A :: Atmos	
Abbado, Jrophy Abbado, Jrophy Abbado, Jrepanion 2017 Albado, Jrepanion 2017 Albado, Jrepanion 2014 Albado, Jrep				HIRDLS		Barnett, Gille	1992	¥	5.10% :: 1.10%	2/day [d.n]	4 * 4 do :: G	1 km : 040 km	
MISS AM2 Design 2002 BM SFS : 156 Inhote		Albedo, Snow	2017						0.02	4/1/1	5 95 t v dos	Lan : 7-50 km	
HIRLS AM2 Desire 2440 AM 5%:1% 1/10.043/10.0				MISR		Ding	2022	Æ		11/6 16 dam (4)	SOU KM :: Land	:: 5/c	
Albedo, Vegetation 2024			•	HIRIS		Dozier	2440	¥	5% :: 1%	1/2-10 day) [d]	1.92 km : G	N/A :: Sfc	
Alica		Albedo, Vegetation	2024						200	1/ W. A. L/1110	30 m :: Land/L	N/A :: Sfc	
MODIS AM_PM Muller, Surhler, 3665 AM 5% : 3% 1/day 1/day			4	AIRS	M	Gautier ??	2000	RM M	70.0	1/wk	500 km :: Land	:: S/c	
CCC CANT Conc 1037 CHEM Multar, Santact, 1057 CHEM Barrett, Gille 1057 BM 51.0%; 1-10% 2day (d.al)			1	MODIS	Γ	Muller Cramble 7	3666	E S		I/day	50 km :: Land	N/A:: Sfc	
CFC-XXX Conc 1037 HRDIS CHEM Baneat, Gille 1047 BM 5:10%:::1.10% 2/day [d.n] I/day CH4 Conc 1075 HRDIS CHEM Baneat, Gille 1055 BM 5:10%:::1.10% 2/day [d.n] 1/mkt CH4 Conc 1075 TES CHEM Bear 1089 BM 5:10%:::1.10% 2/day [d.n] 1/mkt HRDIS CHEM Bear 1089 BM 5:10%:::1.10% 2/day [d.n] 1/mkt 1/mkt <td< td=""><td></td><td></td><th>1</th><td>MODIS</td><td>T</td><td>Muller Strabler</td><td>3666</td><td>¥ ?</td><td>35 :: 35 C</td><td>l/day</td><td>l km :: Land/R</td><td>N/A:: Sfc</td><td></td></td<>			1	MODIS	T	Muller Strabler	3666	¥ ?	35 :: 35 C	l/day	l km :: Land/R	N/A:: Sfc	
HIRDLS CHEM Barnet, Gille 1047 BM 5.10% : 1-10% 2/day d.a.		CFC-XXX Conc	2307	2000		viunet, 3danier,	2000	Ę	3% :: 3%	1/day	1 km::Land/R	N/A :: Sfc	
CHI CONC 1075 TES CHEM Barrett, Cilie 1055 BM 5.10% 1.10% 2.day [d.n] TES CHEM Beer 1089 BM 1.40 pp 1/(16 day) TES CHEM Beer 1085 AM 1.40 pp 1/(16 day) HIRDLS CHEM Beer 1085 AM 1.40 pp 1/(16 day) HIRDLS CHEM Beer 1085 AM 1.40 pp 1/(16 day) TES CHEM Beer 1085 AM 1.40 pp 1/(16 day) TES CHEM Beer 1085 AM 1.40 pp 1/(16 day) TES CHEM Beer 1087 AM 1.40 pp 1/(16 day) HIRDLS CHEM Beer 1087 AM 1.40 pp 1/(16 day) HIRDLS CHEM Beer 1087 AM 1.40 pp 1/(16 day) HIRDLS CHEM Beer 1087 AM 1.40 pp 1/(16 day) HIRDLS CHEM Beer 1087 AM 1.40 pp 1/(16 day) HIRDLS CHEM Beer 1087 AM 1.40 pp 1/(16 day) HIRDLS CHEM Beer 1128 AM 1.40 pp 1/(16 day) HIRDLS CHEM Beer 1128 AM 1.10% 1/(16 day) HIRDLS CHEM HIRDLS 1/			ì	undra e			:			liwk	500 km :: G	:: Trop	
CHA Conc 1075 TES CHEM Beer 1089 BM 5.10% : 1.10% 2day [d.n] TES CHEM Beer 1087 AM ::14 ppb 1/16 day) AIRS CHEM Beer Comb, Strow 1156* AM ::14 ppb 1/16 day) AIRS CHEM Beer Comb, Strow 1156* AM ::14 ppb 1/16 day) AIRS PM Revercomb, Strow 1156* AM ::16 ppb 1/16 day) MOPTT AIRS PM Revercomb, Strow 1156* AM ::16 ppb 1/16 day) TES CHEM Beer 1087 AM ::16 ppb 1/16 day) TES CHEM Beer 1087 AM ::16 ppb 1/16 day) ARS FREDA Beer 1087 AM ::16 ppb 1/16 day) ARS FREDA Beer 1087 AM ::16 ppb 1/16 day) ARS FREDA Beer 1087 AM ::16 ppb 1/16 day)				HIROLS HIBDLS	T	Samett, Gille	19	BW.	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-30 km	
TES CHEM Beer 1085 AM ::40 ppb 1/116 day) TES CHEM Bareat, Gille 1085 AM ::10 ppb 1/116 day) HIRDLS CHEM Bareat, Gille 1085 AM ::10 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::10 ppb 1/116 day) TES CHEM Beer 1089 BM ::40 ppb 1/116 day) TES CHEM Beer 1089 AM ::10 ppb 1/116 day) HIRDLS CHEM Bareat, Gille 1085 AM ::10 ppb 1/116 day) HIRDLS CHEM Bareat, Gille 1085 AM ::10 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::10 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::10 ppb 1/116 day) MOPTIT AMI Drummond 1126 AM ::10 ppb 1/116 day) HIRDLS CHEM Beer 1126 AM ::10 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::10 ppb 1/116 day) HIRS AM ::10 AM ::10 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::10 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::10 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::10 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::15 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::15 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::15 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::15 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::15 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::15 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::15 ppb 1/116 day) AIRS PM Revercomb, Stroy 1136 AM ::15 ppb 1/116 day)		044 Cont	32.01	HIKULS		Samett, Gille	1055	EM EM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-30 km	
TES CHEM Beer 1089 BM ::40 ppb 1/(16 day)		CH+ Conc	50	l					0.10% ::	I/wk	500 km :: Wetlands	::: Trop	
TES CHEM Beer 1087 AM ::14 ppb 1/(16 day)				3		Beer	1089	BM	:: 40 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km	
AIRS PM Revercemb, Stroy 1156 AM 5-10%; 1-10% 2/day [d.n.]			_1_	SE LES		Beer	1087	¥	:: 14 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km	
CHCine 1076 MOPTT AMI Drummond 1096 AM ::13s 1/12s)[7] CHCine 1076 TES CHEM Berr 1089 BM ::40 ppb 1/116 day) TES CHEM Barnett, Gille 1085 AM ::14 ppb 1/116 day) HRDIS CHEM Barnett, Gille 1085 AM ::14 ppb 1/116 day) AIRS PM Reveroomb, Strow 1136* AM 10-20::6-15 2/day [d.n.] MOPTT AMI Drummond 1126 BM ::10s 1/10s 1/7 TES CHEM Beer 1129 AM ::10s 1/10s 1/7 TES CHEM Beer 1129 AM ::13 ppb 1/116 day) MLS MO Waters 1126 AM ::15 ppb 1/116 day) AIRS PM Reveroomb, Strow 1136* AM ::10s 2/day [d.n.] TES CHEM Beer 1129 AM ::15 ppb 1/116 day) MLS PM Reveroomb, Strow 1136* AM ::15 ppb 1/116 day) MLS PM Reveroomb, Strow 1136* AM ::15 ppb 1/116 day) AIRS PM Reveroomb, Strow 1136* AM ::15 ppb 1/116 day) AIRS PM Reveroomb, Strow 1136* AM ::15 ppb 1/116 day) AIRS PM Reveroomb, Strow 1136* AM ::15 ppb 1/116 day) AIRS PM Reveroomb, Strow 1136* AM ::10s 10/6 1/6 s) [7]			_1_	HIKDLS	T	Barnett, Gille	1085	₹	5-10% :: 1-10%	2/day (d.n.)	4x4dg:: G	1 km :: 7-65 km	
CO Conc. 1076 TES CHEM Berry 1089 BM :: 140 ppb 1/(16 day) TES CHEM Berry 1087 AM :: 140 ppb 1/(16 day) TES CHEM Berry Gille 1085 AM :: 140 ppb 1/(16 day) AIRS PM Revercomb, Stow 1136* AM 10-20:: 6-15 2/day [d.n.] MOPITT AMI Dummond 1126 BM :: 10% 1/(16 day) TES CHEM Berry Gille 1085 AM :: 10% 1/(16 day) MOPITT AMI Dummond 1126 BM :: 10% 1/(16 day) TES CHEM Berry 1129 AM :: 13 ppb 1/(16 day) MLS MO Waters 1129 AM :: 15 ppb 1/(16 day) AIRS PM Revercomb, Stow 1136* AM :: 15 ppb 1/(16 day) AIRS PM Revercomb, Stow 1136* AM :: 15 ppb 1/(16 day) AIRS PM Revercomb, Stow 1136* AM :: 15 ppb 1/(16 day) AIRS PM Revercomb, Stow 1136* AM :: 15 ppb 1/(16 day) AIRS PM Revercomb, Stow 1136* AM :: 10% 1/(4 day) AIRS PM Revercomb, Stow 1136* AM :: 10% 1/(4 day) AIRS PM Revercomb, Stow 1136* AM :: 10% 1/(4 day) AIRS PM Revercomb, Stow 1136* AM :: 10% 1/(4 day) AIRS PM Revercomb, Stow 1136* AM :: 10% 1/(4 day) AIRS PM Revercomb, Stow 1136* AM :: 10% 1/(4 day) AIRS PM Revercomb, Stow 1136* AM :: 10% 1/(4 day) AIRS PM Revercomb, Stow 1136* AM :: 10% 1/(4 day) AIRS PM Revercomb, Stow 1136* AM :: 10% 1/(4 day)			1	2007		Kevercomb, Strov	9	₹ :	10 - 20 :: 6 - 15	2/day [d,n]	50 - 250 km :: G	Column :: Atmos	
TES CHEM Beer 1089 BM ::40 ppb 1/(16 day) TES CHEM Berett, Gille 1085 AM ::14 ppb 1/(16 day) AIRS PM Revercomb, Strow 1136* AM 10-20::6-15 2/day [d.n] MOPITT AM! Drummond 1126 BM ::10% 1/(10 day) TES CHEM Berett, Gille 1085 AM ::10% 2/day [d.n] MOPITT AM! Drummond 1126 BM ::10% 1/(16 day) TES CHEM Beer 1129 AM ::10% 1/(16 day) AIRS PM Revercomb, Strow 1136* AM ::10% 1/(16 day) AIRS PM Revercomb, Strow 1136* AM ::15 ppb 1/(16 day) AIRS PM Revercomb, Strow 1136* AM ::15 ppb 1/(16 day) AIRS PM Revercomb, Strow 1136* AM ::15 ppb 1/(16 day) AIRS PM Revercomb, Strow 1136* AM ::15 ppb 1/(16 day) AIRS PM Revercomb, Strow 1136* AM ::10% 1/(4 day) [d.n] AIRS PM Revercomb, Strow 1136* AM ::10% 1/(4 day) [d.n]		CH4 Cone	2201	I I I I		Jummond	ŝ	Į.	:: 1 %	1/(12 s) [7]	120 km :: G	Column :: Atmos	
TES CHEM Berr 1087 AM ::14 ppb 1/(16 day)			<u>-</u>	J.C.						IIwk	500 km :: G	:: Trop	
CO Conc			1	3 12	T	Docu.	690	Ę.	:: 40 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km	
CO Conc				S IUMI	T	Scar	108	¥ :	:: 14 ppb	1/(16 day)	16 x 5 km :: G	4-6 km:: 0-12 km	
CO Conc 1117 AMI Drummond 1096 AM ::196 .15 2/day [d,n] CO Conc 1117 AMI Drummond 1126 BM ::196 .1/(12.s) [?] TES CHEM Beer 1129 AM ::15pb 1/(16.day) MLS PM Revercomb, Stroy 1136 AM ::15ppb 1/(16.day) AIRS PM Revercomb, Stroy 1136 AM ::15ppb 1/(16.day) MOPITT AMI Drummond 1137 AM ::15ppb 1/(16.day) AIRS PM Revercomb, Stroy 1136 AM ::1096 1/(16.day) MOPITT AMI Drummond 1137 AM ::1096 1/(4.s) [?]			.1	ATBe		Same, Ollic	Cen :	¥ :	5-10% :: 1-10%	2/day [d,n]	4×4 dg :: G	1 km :: 7-65 km	
CO Conc 1117 MOPTT AMI Drummond 1126 BM ::1% 1/(12.8)[?] TES CHEM Beer 1129 AM ::10% 1/(10.4 s)[?] MALS MOPTT Waters 1124 AM <=-5%::3x10-8			1	MODERA		Kevercomb, Stros	.051	¥ :	10 - 20 :: 6 - 15	2/day [d,n]	50 - 250 km :: G	Column :: Atmos	
MOPIT		70.000	6111	MOLITI		лаптопа	ŝ	Ę	:: 1%	1/(12 s) [7]	120 km :: G	Column :: Atmos	
CHEM Drummond 1126 BM :: 10% 1/(0.4 s) [?]		Com	::1_ :	1					0.10%	1/wk	500 km ::	:: Trop	
CHEM Beer 1129 AM :: 3 ppb 1/(16 day) MO Waters 1124 AM <-55%::3x10-8 2/day [d.n] CHEM Beer 1128 AM :: 15 ppb 1/(16 day) PM Reveroomb, Strow 1136* AM 10-20:: 6-15 2/day [d.n] AM1 Dummond 1137 AM :: 10% 1/(4 s) [?]			_1_	MOMILI		rummond	1126	EM.	:: 10%	1/(0.4 s) [7]	22 km :: G	3.4 km :: 0.15 km	
MO Waters 1124 AM <=5%::3x10-8 2/day [d.n.]			1	3 5	Ī	, cer	1129	₹	:: 3 ppb	1/(16 day)	16 x 5 km :: G	4-6 km:: 0-12 km	
Chess Chess 1128 AM				MLS		Waters	1124	₹:	<=5%:: 3x10-8	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 60 km	
AM1 Drummond 1137 AM :: 10% 1/4 s) [?]			- L	AIDE	T	, Ca	8211	₹ :	:: 15 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km	
1157 AM :: 10% 1/(4.5) [?]			_1_	MOPTE		cevercomb, Strov	1136	₹ :	10 - 20 :: 6 - 15	2/day [d,n]	50 - 250 km :: G	Column :: Atmos	
					1	Manamoria	Ì.	Ę	:: 10%	1/(4 s) [?]	66 km :: G [dy]	Column :: Atmos	

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Appendix L: IDS Input Requirements and Match Products by IDS Investigator

		ľ				V		A =	Town or the last	110-decent	Vention
Investigator	Droduct Name	Prod #	Instr	Platforms 1	Investigator Prod # Match	Prod # N	Aatch	Accuracy Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
200		00.77	ı	- 33	-			0.2 00=	1/w/	500 km :: G	:: Trop
Hansen	COACOME	ì	TES	GEN	Beer	3637	BM		1/(16 day)	16 x 5 km :: L	
Hansen	Cloud Cover	202						3%::	IIwk	500 km :: G	:: Cloud
		1	CERES	TRMAM,PM I	Barkstrom	2088	BM	5%:: 2%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
		1			King	2082	BM	10% :: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
		<u> </u>	AIRS		Chahine, Chedin,	2062	BM	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
		L	GLRS-A		Spinhime	8702	W	1%:	1/(2-16 day)	10-200 lcm :: G	:: V/N
		L	MODIS	Į	King	2081	Æ	10% :: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud
		<u>. </u>	 	Σ	Barkstrom	2087	Æ	5% :: 2%	1/(6 hr.)	1.25 x 1.25 dg :: G	N/A :: Atmos
			\vdash		Barkstrom	2086	ν	5% :: 2%	(day [d,n]	25 km :: G	N/A :: Atmos
Honcon	Cloud Height	1399	Ħ					50 m ::	I/wk	500 km :: G	:: Cloud
		1	CERES	TRM.AM.PM	Barkstrom	1430	BM	1.0 km :: 0.1 km	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	0.1 km :: Atmos
		۰		1	Barkstrom	1395	BM	1.0 km :: 0.1 km	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	0.1 km :: Atmos
		1	1	1	Menzel	1529	BM	50 mb :: 20 mb	1/day, 1/mo	1 dg :: G	N/A :: Cloud
		<u> </u>	AIRS		Chahine, Chedin,	1423	ΨV	0.5 km :: 0.25 km	2/day [d.n.]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
		1	CERES	M	Barkstrom	1431	¥	0.5 km :: 0.1 km	1/(6 hr.)	1.25 x 1.25 dg :: G	0.1 km :: Atmos
		-	MISR	Т	Diner	1432	¥	<1000 m :: <1000 m	1/(\$-16 day) [d]	5 km :: G	N/A :: Trop
		1	EOSP	2	Travis	1530	¥	30 mb :: 30 mb	1/day [d]	40 km :: G	30 mb :: Cloud
		1	HIRDLS	T	Barnett, Gille	1531	¥	5-10% :: 5-10%	2/day [d,n]	4×4dg:: G	0.4 km :: Trop
Honces	Cloud Temperature Ton	746/						5% ::	Ilwk	500 km :: G	:: Cloud
233011	do : : a ma odus : maro		MODIS	AMPM	Manzel	2466	M	2C::1C	1/day, 1/mo	1 dg :: G	N/A :: Cloud
			AIRS		Chahine, Chedin,	2463	Æ	1 K :: 0.5 K	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
Mancan	Fires (Count Frient etc.)	2992						:: %01	I/wk	500 km :: Land	:: 5fc
1300 E	ines (come) record con l		MODIS	AM.PM	Kaufman, Justice	5666	BM		1/day, 1/wk	1 dg :: Land	N/A :: Sfc
		•	MODIS	Γ	Kaufman, Justice	7997	BM		1 /day, 1/wk	10 km :: Land	N/A :: Sfc
	•	-	MODIS	Γ	Kaufman, Justice	2665	Æ		1 /day, 1 /wk	1 km :: Land/R	N/A:: Sfc
			MODIS	AM,PM	Kaufman, Justice	2663	W		1/day, 1/wk	1 km :: Land/R	N/A:: Sfc
		.	MODIS		Kaufman, Justice	1742	ΑM	10C:: \$C	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc
		1	MODIS		Kaufman, Justice	1112	VΜ	10C:: 5C	1/day, 1/wk	10 km :: Land	N/A :: Sfc
Honson	Forest Deforestation	2658						10%::	IIwk	500 km :: Land	:: S/c
			MODIS	AMPM	Strahler, Huete et	2672	Æ	10%:: 7%	1/sens	Skm :: Land	N/A :: Sfc
Marten	HOO Cone Stratognheric	2887						3%::	I/wk	500 km :: G	Column :: Street
			AIRS	PM	Chedin, Fleming,	1869	BM BM	5% :: 3%	2/day [d.n.]	50 km :: G	N/A :: Trop
			TES	CHEM	Bea	1843	BM	:: 0.5 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
			HIRDLS	CHEM	Barnett, Gille	1837	Ψ	5-10% :: 1-10%	2/day [d,n]	4×4 dg :: G	1 km :: 7-80 km
			MLS	MO	Waters	1838	Ψ¥	:: 2% <50km	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 100 km
			SAFIRE	MO	Russell	1839	AM	:: 5% (20-80 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-100 km
			SAGE-III	AERO, CHEM	McCormick	1841	ΑM	10% :: 15%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km:: 3-50 km
Hansen	Hunidiry Profile	1812						3% ∷	I/wk	500 km :: G	:: Atmos
			HIRDLS	CHEM	Barnett, Gille	1837	BM	S-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	I km:: 7-80 km
			MLS	MO	Waters	1838	Æ	:: 2% <50km	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSB, 100 km
			SAFIRE	OW	Russell	1839	ΨV	:: 5% (20-80 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-100 km
			SAGE-III	AERO,CHEM	McCormick	1840	W	10% :: 10%	1/(2 min), 30/day	<2 x <1 dg :: Polar	1 km :: 3-50 km
-			SAGE-III	AERO, CHEM McCormick	McCormick	184	¥	10% :: 15%	1/(2 min), 30/day	2x<1 dg :: G	1 km :: 3-50 km
			AIRS	Md	Chedin, Fleming,	1828	¥	10%:: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
Hones	Humidity Profile	1813						3% ::	IIwk	500 km :: G	:: Trop
i i uro en	I sortium y a region		AIRS	PM	Chedin, Fleming.	1828	BM	10%:: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

The probability of the particular Th		IDS Input Data Product		03	3								
Intenticity Fig. 2 CHINA Bernet Cities 1142 AM 158 Cities 1140 AM 158 Citie	Investigator	4	Prod #		Platforms	Investigator	Prod #	Match	Accuracy Abs :: Rel	Temporal Recolution	Horizontal	Vertical	
Training Training	Hansen	Humidity Profile	1813	TES	CHEM	Beer	1842	¥	:: 50 ppm	1/(16 day)	160 x 23 km ·· G	7.3 km :: 4.13 km	
Manual Designation Manual				TES	CHEM	Bear	1844	ΨV	:: 50 ppm	1/(16 day)	16 x 5 km :: G	4-6 km: 0-12 km	
	Hansen	Industrial_Emussions Conc	1372						2% ::	//wk	500 km:: G	::: Troe	*
Mailer Safe Mailer Safe			1_	HIRDLS	CHEM		1085	ΛM	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-65 km	
Find the Control of				SAGE-III	AERO,CHEM	McCormick	1277	ν	10% :: 15%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 20-50 km	
Marie Mari	11			IES	CHEM	Beer	1256	YW.	:: 300 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km	
Mail Mail	Hansen	IT datance, Solar	2272						0.05% ::	I/wk	500 km :: G	:: TOA	
1200 1200	;			ACRIM	МО	Willson	2274	BM	0.1%:: 0.0005%	1/(2 min)	N/A:: N/A	N/A:: TOA	
MODIS MANIM Man	Hansen	Land_sfc Temperature	2471						0.2 C ::	l/wk	500 km :: Land	:: Src	
N2 Conc. 120 MODIS AM/M Win 20 Most 10 Modis				AIRS	PM	Chedin, Fleming.	2481	BM	1.0 K :: 0.5 K	2/day [d,n]	50 km :: Land	N/A :: Sfc	
130 HIRDLAS CIEDN HIRD		7 02.		MODIS	AM.PM	Wan	2485	ΑM	1-3C:: 1C	1/day, 1/wk	10 km :: Land	N/A :: Sfc	
HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM Revenous Date HIRDS CIEM CIE	//ansen	N2O Conc	1230							//wk	500 km :: G	:: Trop	
10 10 10 10 10 10 10 10				HIRDLS	CHEM	Barnett, Gille		BM	5-10%:: 1-10%	2/day [d.n]	4×4dg:: G	1 km :: 7-60 km	
HIRDIS CHEM Brunet, Cille 1311 AM C-34c; 14(-54cm) 20ay [d.nl 4 x 4 dg. 15]	11	7.0		AIRS	PM	Revercomb, Strov		À.	20 - 40 :: 15 - 30	2/day [d,n]	Zonal_ave :: G	Column :: Atmos	
Third Thir	Hansen	Os Conc	1307						3% ∷	I/wk	500 km :: G	:: Atmos	
SAME-HILL MAIRO-CHRIN Molecule 1319 AM ca's's's's's's's's's's's's's's's's's's's				HIRDLS		Barnett, Gille	1318	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km	
Notice N				MLS		Waters	1319	¥	<= 3% :: 1%(<50km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 110 km	
TES CHEM Bee 1324 AM ::10% 2.049 d.n. 0.12.3 m.c.				SAGE-III	X	McCormick	1321	Æ	6%:: 5%	1/(2 min), 30/day	<2 x <1 dg :: Polar	1 km :: 6-85 km	
Figurest Conc. 1125 CHEM Beer 1132 AM ::30pb 1101 day) 160 A 20 Bm: C			_1	MIS		Waters	1328	¥	:: 10%	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 70 km	
TES CIGAM Beer 1324 AM ::13pb 1/(16 day) 165 x 20 km::Comm 1077 TES CIGAM Beer 1324 AM ::13pb 1/(16 day) 1/(16 day) 165 x 20 km::Comm 1070 MoDIS AALPM Hoge, Easie 2594 BM 2045; 1.045 1/(14 day) 1/(14 day) 165 x 20 km::Comm 1070 AALS PM Sustind 106 km::Pm 1/(14 km) 1/(14 k				TES		Beer	1323	₹	:: 20 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km	
Pignet Conc. 3077 123 AMP Sect. 1335 AM 13 pb 110 day 16 s 3 bm; 0 Ceen 1335 AMP Ceclos, Citz 2591 BM 3046; 1104 1104 1104 20 m; 0 Ceen 10 m; 0 Ce			_1.	2		Beer	1324	¥	:: 3 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km	
MODIS AAPP Green, Care 259 BM 306; 156; I.h.k 1049; I.h.k 100 10 Im; Occaen(R 10 Im; O				TES	T	Beer	1325	ΨĮ	:: 13 ppb	1/(16 day)	16 x 5 km :: G	4-6 km:: 0-12 km	
MODIS AAA-PM Godon, Care 2594 BM 3048: 1049, 1048, 1,104, 1,044 20 tum; Ocean(G,R 1404), 1044 1045, 1045, 1044, 1044 20 tum; Ocean(G,R 1404), 1044 20 tu	Hansen	Figment Conc	3077						2%::	I/wk	500 km :: Ocean	:: T00	
Precipitation Annual 1910 MODIS AMPM Hoge, Easis 2544 BM 5046;; 1546 14dy, I.Myt 20th Ical 500 bm; G 1000 100				MODIS	Т	Gordon, Clark	1652	BM BM	30%:: 10%	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A:: T00	
Name 1930 AIRS PM Stackind 1969 BM 2mm/day::Inmiday 2fday [d.al] 50 bm::G 10				MODIS	\neg	Hoge, Esaias	2594	BM	50% :: 15%	1/day, 1/wk	20 km :: Ocean/R	N/A:: TOO	
MBMR PM Susstind 1969 BM Zhmi/day; Immyday 2(day [d.x]) 50 fm; G 1 mo 1 dg; Global 1 dg	Hansen	Precipitation Amount	1930						10%::	IIwk	500 km :: G	:: Sfc	
Radiation Budget 2357			_1	AIRS		Susskind	1969	MM MM	2mm/day :: 1mm/day	2/day [d,n]	50 km :: G	N/A :: Troo	
Radiation Builged 2357			1-	MIMR		TBD	3601	BM		1 mo	1 dg :: Global	N/A :: Sfc	
Sea_Ice Cover 3150 MINR PM Bartstrom 2144 BM 10% : 5% Iday [Avg], Ifmo [Avg] 1.2x s.1.25 dg :: G				AIRS		Staclin	3694•	ΨV	2men/hr :: 1mm/hr	2/day [d,n]	50 km :: G	N/A :: Trop	
Sea_Ice Coverage 1350 CERES TRALAMIPM Bartstrom 2144 BM 10% :: 5% Iday [Avg], Imo [Avg] 11.55 x 1.25 dg :: CG	Hansen	Radiation Budget	2357							I/wk	500 km :: G		
Sea_Ice Cover 3150 TRMAAM_PM Bartstroom 2147 BM 255;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;				\dashv	TRM,AM,PM	Barkstrom	2144	BM	10%:: 5%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	lvr:: Atmos	
Sea_Let Cover 3150				7	TRM,AM,PM	Barkstrom	2147	BM	25% :: 10%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	lyr :: Atmos	
Sea_sfc Temperature (SST) Link PM TBD 3511 BM 0.1::0.1 2/day [d.n] 50 km :: Ocean/Cryo Sea_sfc Temperature (SST) 2312 PM Chedin, Staclin 3151* BM 0.1::0.1 2/day [d.n] 50 km :: Ocean/Cryo MODIS AM_PM Brown, Barton 2532 BM 0.3-04K :: 0.1-0.5K 1/day, Iwk, 1/mo 50 km :: Ocean/C,R MODIS AM_PM Brown, Barton 2531 BM 0.3-04K :: 0.1-0.5K 1/day, Iwk, 1/mo 20 km :: Ocean/C,R MODIS AM_PM Brown, Barton 2527 AM 0.3-05K :: 0.1-0.3K 1/day, Iwk, 1/mo 20 km :: Ocean/C,R MODIS AM_PM Brown, Barton 2527 AM 0.3-05K :: 0.1-0.3K 1/day, Iwk, 1/mo 20 km :: Ocean/C,R MODIS AM_PM Brown, Barton 2529 AM 0.3-05K :: 0.1-0.3K 1/day, Iwk, 1/mo 4 km :: Ocean/C,R AMODIS AM_PM Brown, Barton 2529 AM 0.3-05K :: 0.1-0.3K 1/day, Iwk, 1/mo 4 km :: Ocean/C,R AMODIS <td< td=""><td>Hansen</td><th>Sea_Ice Cover</th><th>3120</th><td></td><td></td><td></td><td></td><td></td><td>3% ∷</td><td>I/wk</td><td>500 km :: Ocean/Cryo</td><td>:: 5/c</td><td></td></td<>	Hansen	Sea_Ice Cover	3120						3% ∷	I/wk	500 km :: Ocean/Cryo	:: 5/c	
Sea_sfC Temperature (SST) 2512 AM_PM PM Chectin, Snelin 3151* BM 0.1::0.1 2/day [d.n.] 50 km::Ocean MODIS AM_PM Brown, Barton 2523 BM 0.3-0.6K::0.1-0.6K 1/day, 1/wk, 1/mo 50 km::Ocean/G,R MODIS AM_PM Brown, Barton 2521 BM 0.3-0.6K::0.1-0.3K 1/day, 1/wk, 1/mo 20 km::Ocean/G,R MODIS AM_PM Brown, Barton 2521 RM 0.3-0.6K::0.1-0.3K 1/day, 1/wk, 1/mo 20 km::Ocean/G,R MODIS AM_PM Brown, Barton 2529 AM 0.3-0.6K::0.1-0.3K 1/day, 1/wk, 1/mo 4 km::Ocean/G,R AMODIS AM_PM Brown, Barton 2529 AM 0.3-0.6K::0.1-0.3K 1/day, 1/wk, 1/mo 4 km::Ocean/G,R AMODIS AM_PM Brown, Barton 2529 AM 0.3-0.6K::0.1-0.3K 2/day [d.n.] 4 km::Ocean/G,R AMODIS AM_PM Aboott 2529 AM 0.3-0.6K::0.1-0.3K 2/day [d.n.] 50 km::Land AMODIS AM AM_PM AM <td></td> <th></th> <th></th> <td>MIMR</td> <td></td> <td>TBD</td> <td>3611</td> <td>BM</td> <td></td> <td></td> <td>22 km :: Ocean/Cryo</td> <td>N/A :: Sfc</td> <td></td>				MIMR		TBD	3611	BM			22 km :: Ocean/Cryo	N/A :: Sfc	
Mode Mode				AIRS		Chedin, Staelin	3151	BM	0.1 :: 0.1	2/day [d,n]	50 km :: Ocean/Cryo	N/A :: Sfc	
MODIS AM.PM Brown, Barton 2528 BM 0.3-0.4K:: 0.1-0.6K 1/day, 1/wt, 1/mo 50 km:: Ocean MODIS AM.PM Brown 2528 BM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wt, 1/mo 20 km:: Ocean/G.R MODIS AM.PM Brown 2531 BM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wt, 1/mo 20 km:: Ocean/G.R MODIS AM.PM Brown 2527 AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wt, 1/mo 4 km:: Ocean/G.R MODIS AM.PM Brown, Barton 2530 AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wt, 1/mo 4 km:: Ocean/R.L AIRS PM Obedin, Feming, 2522* AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wt, 1/mo 4 km:: Ocean/R.L Snow Cover 3009 AM.PM Abboat 2520* AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wt 4 km:: Ocean-R.C.R Snow Cover 3009 AM.PM Salein 2520* AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wt 4 km:: Ocean-R.C.R AM.PM AM.PM Abboat 2500*	Hansen	Sea_stc I emperature (SST)	2212						02 C ::	I/wk	500 km :: Ocean	:: 5/c	
MODIS AM-PM Brown 2528 BM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo 20 km :: Ocean/G,R MODIS AM-PM Brown, Barton 2531 BM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo 20 km :: Ocean/G,R MODIS AM-PM Brown 2529 AM 0.3-0.5K :: 0.1-0.3K 1/day, 1/wk, 1/mo 4 km :: Ocean/R,L AMODIS AM-PM Brown, Barton 2529 AM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo 4 km :: Ocean/R,L AMODIS AM-PM Brown, Barton 2529 AM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk, 1/mo 4 km :: Ocean/R,L AMODIS AM-PM About 2529 AM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk 4 km :: Ocean/R,L AMODIS AM-PM About 2529 AM 0.3-0.6K :: 0.1-0.3K 1/day, 1/wk 4 km :: Ocean-VG,R Snow Cover 3008 AM 30.100% 1/day, 1/wk 500 km :: Land 500 km :: Land AMPA AM-PM Salomonson 3020 BM <-5% :: -5%				MODIS		Brown, Barton	2532	BM	0.3-0.4K :: 0.1-0.6K	1/day, 1/wk, 1/mo	50 km :: Ocean	N/A :: Sfc	
MODIS AM_PM Brown, Barton 2531 BM 03-0.6K :: 0.1-0.3 K 1/day, 1/wt, 1/mo 20 km :: Ocean/G, R MODIS AM_PM Brown 2527 AM 0.3-0.5K :: 0.1-0.3 K 1/day, 1/wt, 1/mo 4 km :: Ocean/R, L MODIS AM_PM Brown, Barton 2529 AM 0.3-0.6K :: 0.1-0.3 K 1/day, 1/wt, 1/mo 4 km :: Ocean/R, L AIRS PM Obedin, Fleming, 2521* AM 0.3-0.6K :: 0.1-0.3 K 2/day [da] 50 km :: Ocean/R, L Snow Cover 3009 AM_PM Abbett 2501* AM 0.5-1 K :: 0.4-0.5 K 2/day [da] 50 km :: Ocean-I/G, R AMRS PM Saciin 3018* BM <-5.50.0%				MODIS	T	Вгочт	2528	BM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc	
MODIS AM,PM Brown 2527 AM 0.3-0.5 K :: 0.1-0.3 K 1/day, 1/wt, 1/mo 1 km :: Ocean/L MODIS AM,PM Brown, Barton 2529 AM 0.3-0.6K :: 0.1-0.3 K 1/day, 1/wt, 1/mo 4 km :: Ocean/R, L AMODIS AM,PM Brown, Barton 2530 AM 0.3-0.6K :: 0.1-0.3 K 1/day, 1/wt, 1/mo 4 km :: Ocean/R, L AMODIS AM,PM About 2521* AM 0.3-0.6K :: 0.1-0.3 K 2/day [da] 50 km :: Ocean/R, L AMODIS AM,PM Abbott 2603* AM :: 50-100% 1/day, 1/wt 4 km :: Ocean-1/G, R AMRS PM Saciin 3018* BM <-5.5% :: <-5.5%				MODIS	T	Brown, Barton	2531	BM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc	
MODIS AM,PM Brown 2529 AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wt, 1/mo 4 km:: Ocean/R.L. AIRS PM Obedin, Fleming, 2523* AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wt, 1/mo 4 km:: Ocean/R.L. Snow Cover 3000 AM,PM Abbott 2503* AM 0.5-1 K:: 0.4-0.5 K 2/day [d.n] 50 km:: Ocean-I/G.R AMRS PM Abbott 2603* AM :: 50-100% 1/day, 1/wt 4 km:: Ocean-I/G.R AMRS PM Sacin 3018* BM <-5.5%:: <-5.%			L.	MODIS	Т	Brown	2527	¥	0.3-0.5 K :: 0.1-0.3 K	1/day, 1/wk, 1/mo	1 km :: Ocean/L	N/A :: Sfc	4
MODIS AM,PM Berown, Barton 2530 AM 0.3-0.6K:: 0.1-0.3K 1/day, 1/wt, 1/mt, 1/mo 4 km:: Ocean/R.L. AIRS PM Chedin, Fleming, 2523* AM 0.5 - 1 K:: 0.4 - 0.5 K 2/day [d.n] 50 km:: Ocean, R.C. Snow Cover 3009 AM,PM Abbott 2603* AM :: 50-100% 1/day, 1/wk 4 km:: Ocean, R.C. AMRS PM Sackin 3018* BM c=55%:: <=5%				MODIS	T	Вгочт	2529	¥	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	4 km :: Ocean/R,L	N/A :: Sfe	
AIRS PM Chedin, Fleming, 2523* AM 0.5 - I K :: 0.4 - 0.5 K 2/day [d.n] 50 km :: Ocean Snow Cover 3000 AIRS PM Sacin 0.02 :: I/wk 4 km :: Ocean-I/G.R 1 MODIS AIRS PM Sacin 3018* BM <=55% :: <=55%				MODIS		Brown, Barton	2530	₹	0.3-0.6K :: 0.1-0.3K	1/day, 1/tvk, 1/mo	4 km :: Ocean/R,L	N/A :: Sfe	
Show Cover 3009 AM_PM Abbott 2603* AM :: 50-100% 1/day, 1/wk 4 km :: Ocean-1/G;R Annolis AlrS PM Saction 3018* BM c=5% :: c=5% 1/day, 1/wk 10 km :: Land				AIRS	T	Chedin, Fleming,	2523	₹	0.5 - 1 K :: 0.4 - 0.5 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc	
Show Cover 3000 Cover 1002 :: 11/wk 500 bm :: Land ALRS PM Saedin 3018* BM <=55% :: <=55%		,		MODIS	П	Abbott	2603	¥	:: 50-100%	1/day, 1/wk	4 km :: Ocean-1/G,R	N/A:: TOO	
PM Stackin 3018* BM 2/day [d_n] 50 km :: Land AM,PM Salomonson 3020 BM <=5% :: <=5%	Hansen	SROW COVET	300g						0.02 ::	//wk	500 km :: Land	<i>3/</i> 5 ∷	
AM, PM Salomonson 3020 BM <=5% ::<=5% 1/4sy, 1/wk 10 km :: Land			1	AIRS	Т	Sacin	3018	BM		2/day [d,n]	50 km :: Land	N/A :: Sfc	
			1	MODIS	٦	Salomonson	3020	BM	<=5%::<=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc	

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Platforms Investigator Prod # Mi	PM AM2 AM2 AM4PM PM PM PM PM ALT ALT ALT ALT ALT ALT PM PM PM PM PM PM PM PM PM PM PM PM PM		Abs :: Rei 5% :: 2% <-5% :: <-5% 10% :: 0.3 C :: 10K: 0.4 K 10K: 0.4 K 10K: 0.4 K 2K: 2K < 100km) 2K: 2K 2K: 2K 2K: 2K 2K: 2K 0.3 C :: 1.0 K: 0.4 K 1.0 K: 0.4 K 1.0 K: 0.5 K 1.0 K: 0.5 K		Resol :: Cover. 22 km :: Land 50 m :: Cryol. 1 km :: Land 500 km :: Land 60 km :: Land 60 km :: Land 1 dg :: Land 15 x 50 - 50 x 50 km :: G 1-200 km :: G 0.1 x 2.5 dg :: 82N-825 25 x 1-5 dg :: 86S-86N <2x < 1 dg :: G <2x < 1 dg :: G <2x < 1 dg :: G	Resol :: Cover. N/A :: Sfc N/A :: Sfc N/A :: Sfc :: Sfc N/A :: Sfc N/A :: Sfc I km :: 7.80 km 1, 2 km :: 7.80 km 1, 2 km :: 4 kmost 1, 2 km :: 5.50 km 2.5 km [1.2] :: TPSE, 120 km 1.5 km :: 1.20 km 1.5 km :: 5.50 km 2.5 km [1.2] :: TPSE, 120 km 1.5 km :: 1.21 km :: 1.20 km
Soil Modrave	AM2 Dozier AM, PM Salomonson PM TBD PM TBD CHEM Barnett, Gille PM Obedin, Fleming, AD Waters MO Waters MO Russell AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming,	AM AM AM AM AM AM AM AM AM AM AM AM AM A	5%::2% <-5%::<-5% /	1/wk, 1/mo 1/dsy, 1/wk 1/wk 1/wk 1/wk 2/dsy [d,n] 2/dsy [d,n] 700 red/dsy 2/dsy [d,n] 1/(2 min), 30/dsy 1/2 min), 30/dsy 1/dsy [d,n] 1/wk 2/dsy [d,n] 1/wk 2/dsy [d,n]	22 km :: Land 50 m :: Cryo/L 1 km :: Land/R 500 km :: Land 60 km :: Land 60 km :: Land 700 km :: G 1 dg :: Land 500 km :: G 15 x 50 - 50 x 50 km :: G 1-200 km :: G 1-200 km :: G 1-200 km :: G 2 x 1 - 5 dg :: 86x - 86N 2 x 1 - 5 dg :: 86x - 86N 2 x < - 2 x < 1 dg :: G	N/A :: Sfc N/A :: Sfc N/A :: Sfc :: Sfc N/A :: Sfc I km :: 7.80 km 1, 2 km :: 7.80 km 1, 2 km :: 5.90 km 2.5 km [1.2] :: TPSE, 120 km 1.5 km :: 1-10 km 1.5 km :: 1-10 km 1.5 km :: 5.50 km
HIRIS ANJ Dozier 3019 10 10 10 10 10 10 10	AM.2 Dozier AM.PM Salomonson PM TBD PM TBD CHEM Barent, Gille PM Obedin, Ferning, AD. Waters MO Waters MO Russell AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick PM Chedin, Ferning, PM Chedin, Ferning, PM Chedin, Ferning, PM Chedin, Ferning,	AM AM AM AM AM AM AM AM AM AM AM AM AM A	5%::2% <-5%::<-5% 10%:: 0.3 C:: (2.0.50km:0.3K;1K.50kd 1,0.K::0.4 K 1,0.K::0.4 K 2.K::2K 2.K::2K 2.K::2K 2.K::2K 1.0K::0.4 K 1.0K::0.4 K 1.0K::0.5 K 0.2 C:: 1.0K::0.4 K 1.0K::0.5 K	1/wk, 1/mo 1/dsy, 1/wk 1/wk 1/wk 1/wk 2/dsy [d,n] 7/00 red/dsy 2/dsy [d,n] 1/(2 min), 30/dsy 1/(2 min), 30/dsy 1/wk 2/dsy [d,n] 1/wk 2/dsy [d,n] 1/wk	\$0 m:: CryolL 1 km:: Land/R \$100 km:: Land 60 km:: Land 60 km:: Land 1 dg:: Land \$100 km:: G 4 x 4 dg:: G 15 x 50 - 50 x 50 km:: G 1-200 km:: G 1-200 km:: G 25 x 1-5 dg:: 86S-86N <2 x - 1 dg:: G <2 x < 1 dg:: G	N/A :: Sfc N/A :: Sfc :: Sfc N/A :: Sfc N/A :: Sfc :: Sr ot 1, 2 km :: 7.80 km 1, 2 km :: 5.50 km 2.5 km [1.2] :: TPSE, 120 km 1.5 km :: 10-110 km 1 km :: 6.55 km
MODIS AALPM Stokenick 2002 MINR PM TBD 3605 1 1 1 1 1 1 1 1 1	AM.PM Salomonson PM TBD PM TBD PM TBD CHEM Barnett, Gille PM Chedin, Fleming, ALT Melbourne MO Waters MO Waters MO Waters AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming,	AM BM BM AM	<pre><=5%::</pre> <pre>/e5%::</pre> 10%:: 0.3 C.: :2K>50km::0.3K:1K>50k 1.0K::0.4 K 1.0K::0.4 K :2K<100km) ::<0.5K(16-65 km) 2 K:: 2K 2 K:: 2K 2 K:: 2K 0.3 C.: 1.0 K:: 0.4 K 1.0 K:: 0.4 K 1.0 K:: 0.5 C.: 1.0 K:: 0.5 C.: 1.0 K:: 0.5 C.: 1.0 K:: 0.6 C.:	1/dsy, 1/wk 1/wk 1 mo 1/wk 2/dsy (d,n) 2/dsy (d,n) 7/00 ret/dsy 2/dsy (d,n) 1/(2 min), 30/dsy 1/(2 min), 30/dsy 1/wk 2/dsy (d,n) 1/wk 2/dsy (d,n)	1 km :: Land/R 500 km :: Land 60 km :: Land 1 dg :: Land 1 dg :: Land 500 km :: G 4 x 4 dg :: G 15 x 50 - 50 x 50 km :: G 1-200 km :: G 0.1 x 2.5 dg :: 82N-825 25 x 1 - 5 dg :: 86S-86N <2x < 1 dg :: G <2x < 1 dg :: G	N/A :: Sfc :: Sfc N/A :: Sfc N/A :: Sfc :: Strat 1 km :: 7-80 km 1, 2 km :: Amos 1 km :: 5 - 50 km 2.5 km [1.2] :: TFSF, 120 km 1.5 km :: 10-110 km 1 km :: 6.55 km
NIMR	PM TBD PM TBD CHEM Barnett, Gille PM Chedin, Fleming, ALT Melbourne MO Waters MO Waters MO Waters AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming,	BM	0.3 C.:: 0.3 C.:: 1.0 K.:: 0.4 K. 1.0 K.:: 0.4 K. 1.0 K.:: 0.4 K. 1.0 K.:: 0.4 K. 2.0 K.:(10 km) 2.0 K.:: 2 K. 2.0 K.: 2 K. 2.0 C.:. 1.0 K.:: 0.4 K. 1.0 K.:: 0.5 K. 0.2 C.:. 1.0 K.:: 0.4 K. 1.0 K.:: 0.5 K. 0.2 C.:. 1.0 K.:: 0.4 K. 1.0 K.:: 0.5 K. 0.2 C.:. 1.0 K.:: 0.4 K.		\$00 km::Land \$00 km::Land 1 dg::Land \$00 km::G 4 x 4 dg::G 15 x 50 - 50 x 50 km::G 1-200 km::G 1-200 km::G 25 x 1-5 dg::82N-82S 25 x 1-5 dg::86N <2 x < 1 dg::G	.: Sfc N/A :: Sfc N/A :: Sfc :: Stret :: Stret 1 km :: 7-80 km 1, 2 km :: Amos 1 km :: 5-50 km 2.5 km [1.2] :: TFSE, 120 km 1.5 km :: 10-110 km 1 km :: 6-55 km
MIMR	PM TBD PM TBD CHEM Barnett, Gille PM Chedin, Fleming, ALT Melbourne MO Waters MO Waters AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming,	BM BM AM	03 C :: (2K-50km: 0.3K;1K-50kd 1.0K:: 0.4 K 1.0K:: 0.4 K 2 k (20km)	1 mo 1/wk 2/day [d,n] 2/day [d,n] 7/00 ret/day 2/day [d,n] 1/(18-72 s) [?] 1/(2 min), 30/day 1/v min), 30/day 1/wk 2/day [d,n] 1/wk 2/day [d,n]	60 km :: Land 1 dg :: Land 500 km :: G 4 x 4 dg :: G 15 x 50 - 50 x 50 km :: G 1-200 km :: G 0.1 x 2.5 dg :: 82N-825 25 x 1 - 5 dg :: 865-86N <2x < 1 dg :: G <2x < 1 dg :: G	N/A :: Sfc N/A :: Sfc :: Sfrat :: Sfrat ! km :: 7-80 km !, 2 km :: Amos ! km :: 5 - 50 km 2.5 km [1.2] :: TFSE, 120 km 1.5 km :: 10-110 km
MIDME	CHEM Barnett, Gille PM Chedin, Fleming, ALT Melbourne MO Waters MO Waters MO Waters AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming,	M	0.3 C.:: (2K>50tm: 0.3K;1K>50t 1.0 K:: 0.4 K 1.0 K:: 0.4 K 1.2 K < 100tm) 2.2 K < 100tm) 2.2 K : 2 K 2.4 C.: 2 K 2.5 C.: 2 K 0.3 C.:: 1.0 K:: 0.4 K 1.0 K:: 0.4 K 1.0 K:: 0.5 K 0.2 C.:: 1.0 K:: 0.4 K 1.0 K:: 0.5 K	1 mo	1 dg :: Land 500 km :: G 4 x 4 dg :: G 15 x 50 - 50 x 50 km :: G 1-200 km :: G 0.1 x 2.5 dg :: 82N-825 25 x 1-5 dg :: 865-86N <2x < 1 dg :: G <2x < 1 dg :: G	N/A :: Sfc :: Strat 1 km :: 7-80 km 1, 2 km :: Amos 1 km :: 5 - 50 km 2.5 km [1.2] :: TFSE, 120 km 1.5 km :: 10-110 km 1 km :: 6-55 km
Temperature Profile 1573 HIRDLS CHEM Barnett, Gille 1608	CHEM Barnett, Gille PM Chedin, Fleming, ALT Melbourne MO Waters MO Russell AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick AERO, CHEM McCormick PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming,	AM AM AM AM AM AM AM AM AM AM AM AM AM A	(2K>50km :: 0.3K;1K>50km 1.0K :: 0.4K 1.0K :: 0	2/day (d.n.) 2/day (d.n.) 2/day (d.n.) 7/00 res/day 2/day (d.n.) 1/(18-72 s) [?] 1/(2 min), 30/day 1/(2 min), 30/day 1/wk 2/day (d.n.) 1/wk 2/day (d.n.)	\$00 km :: G 4 x 4 dg :: G 15 x 50 - 50 x 50 km :: G 1-200 km :: G 0.1 x 2.5 dg :: 82N-825 25 x 1-5 dg :: 86S-86N <2x < 1 dg :: G <2x < 1 dg :: G	:: Strat 1, 2 km :: 7-80 km 1, 2 km :: Atmos 1 km :: 5 - 50 km 2.5 km [1.2] :: TPSE, 120 km 1.5 km :: 10-110 km 1 km :: 6-55 km
HINDLS CHEM Bamert, Citle 1608 AIRS PM Chedin, Ferning, 1588 CGI ALT Melbourne 1600 SAFIRE MALS MAD Waters 1610 SAGE-III AERO,CHEM McCornick 1611 SAGE-III AERO,CHEM McCornick 1612 AIRS PM Chedin, Ferning 1588 AIRS PM Chedin, Ferning 1599 AIRS PM Chedin, Ferning 1590 AIRS PM Chedin,	CHEM Barnett, Gille PM Chedin, Fleming, ALT Melbourne MO Waters MO Russell AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming,	AM AM AM AM AM AM AM AM AM AM AM AM AM A	:2K>50km: 0.3K;1K>50k 1.0K::0.4K 1.K::1.K ::2K<100km) ::<0.5K(16-65 km) 2.K::2K 2.K::2.K 2.K::2.K 0.3.C:: 1.0K::0.4K 1.0K::0.4 1.0K::0.5 K 0.2.C:: 1.0K::0.5 K	2/day (d.n.) 2/day (d.n.) 2/day [d.n.] 700 res/day 2/day [d.n.] 1/(18-72 s) [?] 1/(2 min.) 30/day 1/(2 min.) 30/day 1/wk 2/day [d.n.] 1/wk 2/day [d.n.]	15 x 50 - 50 x 50 km :: G 1-200 km :: G 0.1 x 2.5 dg :: 82N-8.25 25 x 1-5 dg :: 86S-86N <2x < 1 dg :: G <2x < 1 dg :: G	1 km: 7-80 km 1, 2 km :: Aunos 1 km:: 5 - 50 km 2.5 km [1.2] :: TPSE, 120 km 1.5 km:: 10-110 km 1 km:: 6-55 km
AIRS	ALT Melbourne MO Waters MO Russell AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick AERO,CHEM McCormick PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming,		1.0K::0.4K 1K::1K ::2K <100km) ::<0.5K(16-65 km) 2K::2K 2K::2K 2K::2K 0.3C:: 1.0K::0.4K 1.0K::0.4K 1.0K::0.5K 0.2C:: 1.0K::0.5K	2(day [d.n.] 700 res/day 2(day [d.n.] 1/(18-72 s) [?] 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/wk 2/day [d.n.] 1/wk 2/day [d.n.]	15 x 50 - 50 x 50 km :: G 1-200 km :: G 0.1 x 2.5 dg :: 82N-825 25 x 1-5 dg :: 865-86N <2 x < 1 dg :: G <2 x < 1 dg :: G	1, 2 km :: Atmos 1 km :: 5 - 50 km 2.5 km [1.2] :: TPSE, 120 km 1.5 km :: 10-110 km 1 km :: 6-55 km
CGI	ALT Melbourne MO Waters MO Russell AERO,CHEM McCormick AERO,CHEM McCormick PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming,		1 K :: 1 K :: 2K <100km) :: <0.5K(16-65 km) 2 K :: 2 K 2 K :: 2 K 0.3 C :: 1.0 K :: 0.4 K 1.0 K :: 0.4 K 1.0 K :: 0.5 K 0.2 C :: 1.0 K :: 0.5 K 0.2 C :: 1.0 K :: 0.5 K	700 rec/day 2/day [d.n] 1/(18-72 s) [2] 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/wk 2/day [d.n] 1/wk 2/day [d.n]	1-200 km :: G 0.1 x 2.5 dg :: 82N-825 25 x 1-5 dg :: 86S-86N <2x <1 dg :: G <2 x <1 dg :: Polar	1 km:: 5 - 50 km 2.5 km [1.2]:: TPSE, 120 km 1.5 km:: 10-110 km 1 km:: 6-55 km
MIS MO Waters 1609	MO Waters MO Russell AERO,CHEM McCormick AERO,CHEM McCormick PM Chedin, Fleming,		:: 2K <100km) :: <0.5K(16-65 km) 2 K :: 2K 2 K :: 2 K 0.3 C :: 1.0 K :: 0.4 K 1.0 K :: 0.4 K 1.0 K :: 0.5 K 1.0 K :: 0.5 K 1.0 K :: 0.5 K 1.0 K :: 0.5 K	2(day [d.n.] 1/(18-72 s) [2] 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min)	0.1 x 2.5 dg :: 82N-82S 25 x 1-5 dg :: 86S-86N <2 x <1 dg :: G <2 x <1 dg :: Polar	2.5 km [1.2] :: TPSE, 120 km 1.5 km :: 10-110 km 1 km :: 6-55 km
SAGFIE	AERO,CHEM McCormick AERO,CHEM McCormick PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming,		:: <0.5K(16-65 km) 2 K :: 2K 2 K :: 2 K 2 K :: 2 K 0.3 C :: 1.0 K :: 0.4 K 1.0 K :: 0.4 K 1.0 K :: 0.5 K 1.0 K :: 0.5 K 1.0 K :: 0.5 K 1.0 K :: 0.5 K	1/(18-72 s) [?] 1/(2 min), 30/day 1/(2 min), 30/day 1/(2 min), 30/day 1/wk 2/day [d,n] 1/wk 2/day [d,n]	25 x 1-5 dg :: 86S-86N <2 x <1 dg :: G <2 x <1 dg :: Polar	1.5 km :: 10-110 km 1 km :: 6-55 km
SAGE-III AERO,CHEM McComick 1611	AERO, CHEM McCornick AERO, CHEM McCornick PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming,		2K::2K 2K::2K 0JC:: 1.0K::04K 02C:: 1.0K::04K 1.0K::05K 02C:: 1.0K::05K	1/(2 min), 30/day 1/(2 min), 30/day 1/wk 2/day [d,n] 1/wk	<2x < dg :: G <2x < dg :: Polar	1 km :: 6-55 km
Temperature Profile 1574 AIRS PM Chedin, Perming, 1588 Temperature, Near_3fc 1629 AIRS PM Chedin, Perming, 1588 Temperature, Near_3fc 1639 AIRS PM Chedin, Perming, 1588 Temperature, Near_3fc 1630 AIRS PM Chedin, Perming, 1588 Temperature, Near_3fc 1630 AIRS PM Chedin, Perming, 1588 Vegetation Extern 2718 MODIS AM_PM Arabice, Huete et a 2749 Western Type 2731 MODIS AM_PM Arabice, Huete et a 2749 Western Type 2731 MODIS AM_PM Arabice, Huete et a 2749 Western Type 2731 MODIS AM_PM Arabice, Huete et a 2749 Western Type AM_PM Arabice, Huete et a 2749 Wodis AM_PM Arabice, Huete et a 2749 Wodis AM_PM Arabice, Huete et a 2749 Wastern Type Type Type 2844 Wastern Type Type Type 2844 Wastern Type Type Type 2844 Wastern Type	AERO, CHEM McCornick PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming, PM Chedin, Fleming,		2K::2K 0.3C:: 1.0K::0.4K 1.0K::0.4K 1.0K::0.5K 0.2C:: 1.0K::0.4K	1/(2 min), 30/day 1/wk 2/day [d,n] 1/wk 2/day [d,n]	<2 x <1 dg :: Polar	
Temporature, Near_sfc 1629 Temporature, Near_sfc 1630 Temporature, Near_sfc 1630 Temporature, Near_sfc 1630 Temporature, Near_sfc 1630 Temporature, Near_sfc 1630 Temporature, Near_sfc 1630 Temporature, Near_sfc 1630 AIRS PM Chedin, Fleming, 1588 AIRS PM Chedin, Fleming, 1588 AIRS PM Chedin, Fleming, 1588 AIRS PM Chedin, Fleming, 1588 AIRS PM Chedin, Fleming, 1589 AIRS PM Chedin, Fleming, 1589 AIRS PM Chedin, Fleming, 1589 AIRS PM Chedin, Fleming, 1589 AIRS PM Chedin, Fleming, 1589 AIRS PM Chedin, Fleming, 1589 AIRS PM Chedin, Fleming, 1589 AIRS PM Chedin, Fleming, 1589 AIRS PM Chedin, Fleming, 1589 AIRS PM Chedin, Fleming, 1589 AIRS PM Chedin, Fleming, 1589 AIRS AM_PM Strahler, Huete et a 2670 HIRIS AM, PM Strahler, Huete et a 2670 HIRIS AM, PM Strahler, Huete et a 2670 MODIS AM, PM ALIMER ET 2749 MODIS AM, PM Strahler, Huete et a 2670 MODIS AM, PM Strahler, Huete et a 2670 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT49 MODIS AM, PM ALIMER ET AT4	PM Obedin, Fleming, PM Obedin, Fleming, PM Obedin, Fleming, PM Obedin, Fleming, PM Obedin, Fleming, PM Obedin, Fleming,		0.3 C :: 1.0 K :: 0.4 K 0.2 C :: 1.0 K :: 0.4 K 1.0 K :: 0.5 K 0.2 C :: 1.0 K :: 0.4 K	1/wk 2/dsy [d.n] 1/wk		1 km :: 6-70 km
Temporature, Near_sfc 1029	PM Obedin, Fleming, PM Obedin, Fleming, PM Obedin, Fleming, PM Obedin, Fleming, PM Obedin, Fleming, PM Obedin, Fleming,		1.0K::0.4K 0.2C:: 1.0K::0.4K 1.0K::0.5K 0.2C::	2/day [d,n] [/wk] 2/day [d,n]	500 km :: G	:: Trop
Temperature, Near_sfc 1629 AIRS PM Chedin, Pierning, 1588 Temperature, Near_sfc 1630 AIRS PM Chedin, Pierning, 1588 Temperature, Near_sfc 1630 AIRS PM Chedin, Pierning, 1588 Vegetation Extern 2718 MODIS AM_PM Musice, Huete et 2749 Vegetation Index 2742 MODIS AM_PM Musice, Huete et 2749 Walands Extern 2784 MODIS AM_PM Strahler, Huete et 2749 Walands Extern 2784 MODIS AM_PM Strahler, Huete et 2670 Wind Velocity, Sea_sfc 1663 STIKSCAT CHEM Freilich 1679 Wind Velocity, Sea_sfc 1663 STIKSCAT CHEM Freilich 1679 MIRR AM TBD 3594 MIRR PM TBD MIRR PM TBD MIRR PM MIRR PM TBD MIRR MIRR PM PM TBD MIRR PM TBD MIRR PM PM PM PM PM PM PM	PM Obedin, Feming, PM Chedin, Feming, PM Chedin, Feming, PM Chedin, Feming, PM Chedin, Feming,		02C:: 10K::04K 1.0K::05K 02C:: 1.0K::04K	I/wk	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos
AIRS PM Chedin, Fleming, 1588	PM Obedin, Fleming, PM Obedin, Fleming, PM Obedin, Fleming, PM Obedin, Fleming, PM Obedin, Fleming,		1.0K:: 0.4K 1.0K:: 0.5K 0.2 C::	2/day [d n]	500 km :: Land	:: S/c
Temperature, Nea_3fc 1630	PM Oredin, Fleming, PM Oredin, Fleming, PM Oredin, Fleming,		1.0K :: 0.5 K 0.2 C :: 1.0K :: 0.4 K	[140] (BD.)7	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos
Temperature, Near_sfc 1630	PM Chedin, Fleming, PM Chedin, Fleming,		02C::	2/day [d,n]	50 km :: Land	N/A :: Sfc
Vegetation Extent 2718	PM Chedin, Fleming,	1	1.0 K :: 0.4 K	Ilwk	500 km :: Ocean	2/S ::
Vegetation Extent 2718	PM Chedin, Fleming.	╁-		2/day [d.n]	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos
Vegetation Extent 2718 MODIS AM_PM Justice, Huste et and 2749 2749 Wegetation Index 2742 MODIS AM_PM Strahler, Huste et and 2749 2749 Vegetation Index 2731 MODIS AM_PM Strahler, Huste et and 2749 2756 Vegetation Type 2731 MODIS AM_PM Strahler, Huste et and 2670 2644 Walands Extent 2764 MODIS AM_PM Strahler, Huste et and 2670 2644 Walands Extent 2764 MODIS AM_PM Strahler, Huste et and 2670 2644 MODIS AM_PM Strahler, Huste et and 2670 2644 2670 MODIS AM_PM Strahler, Huste et and 2670 2670 MODIS AM_PM Strahler, Huste et and 2670 MODIS AM_PM Strahler, Huste et and 2670 MODIS AM_PM Strahler, Huste et and 2670 MODIS AM_PM Strahler, Huste et and 2670 Am PM Am PM Am PM Am PM Am PM Am PM Am PM			0.5 - 1 K :: 0.4 - 0.5 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc
WODIS			5% ::	//wk	500 km :: Land	:: S/c
MODIS AM.PM Strahler, Huste et 2670	AM PM Instice Huste et s	749 BM	0.01 :: 0.01	1/day, 1/wk, 1/mo	10 km :: Land	N/A :: Sfc
Vegetation Index 1742 MODIS AM_PM Justice, Huete et 1749	AM.PM Strahler, Hucte ct	-	10% :: 5%	1/mo, 1/scas	5 km :: Land	N/A :: Sfc
Wegetation Type 2731			5%::	I/wk	500 km :: Land	:: 5/c
Vegetation Type 2731 MISR AM Direct 2736 We lands Extent 2764 HIRIS AM,2 We ssrmin 2644 We lands Extent 2764 MODIS AM,PM Strahler, Huete et al. 2149 Wind Velocity, Sea_sfc 1663 AM,PM Strahler, Huete et al. 2749 Wind Velocity, Sea_sfc 1663 AM,PM Strahler, Huete et al. 2749 MODIS AM,PM Strahler, Huete et al. 2749 2669 MODIS AM,PM Strahler, Huete et al. 2749 MODIS AM,PM Strahler, Huete et al. 2749 MODIS AM,PM Strahler, Huete et al. 2749 AM,PM Strahler, Huete et al. 2749 2669 MODIS AM,PM Strahler, Huete et al. 2749 AM,PM Strahler, Huete et al. 2749 2669 AM,PM Strahler, Huete et al. 2749 AM,PM Strahler, Huete et al. 2749 AM,PM Strahler, Huete et al. 2749 AM,PM AM,PM AM,PM AM,PM AM,PM AM,PM AM,	AM PM Justice Huste et a	749 BM	0.01 :: 0.01	1/day, 1/wk, 1/mo	10 km :: Land	N/A :: Sfc
Vegetation Type 2731 MODIS AM.PM Strahler, Huete ct. 2670 Walands Extent 2764 MODIS AM.PM Instice, Huete ct. 2749 Wind Velocity, Sea_sfc 1663 STIKSCAT CHEM Prelich 1679 Akrosol Angstrom Exponent 3442 Minner 1718* 1889 3594	AM Diner	\vdash	2% :: 2%	1/(5-16 day) [d]	1.92 km :: Land	N/A :: Sfc
We locity, Sea_sfc 1663		L	5%::	Ilwk	500 km :: Land	:: Sfc
HIRIS AM2 Wessman 2644	AM PM Strahler. Huete et	670 BM	10% :: 5%	1/mo, 1/scas	5 km :: Land	N/A :: Sfc
Walands Extern 2764 MODIS AM.PM Justice, Huete et s 2749 Walands Extern 2764 MODIS AM.PM Strahler, Huete et s 2670 Waland Velocity, Sea_sfc 1663 STIKSCAT CHEM Frelich 1679 All S	AM2 Wessman	├_	10% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Walands Extent 2764 MODIS AM.PM Stahler, Huele ct. 2670 Wind Velocity, Sea_sfc 1663 STIKSCAT CHEM Frelich 1679 Astracol Angstrom Exponent 3442 MIDAR PM TBD 3594	AM.PM Justice, Huete et a	1	10:0 :: 10:0	1/day, 1/wk, 1/mo	10 km :: Land	N/A :: Sfc
MODIS AM.PM Strahler, Huete ct 26.70 Wind Velocity, Sea_sfc 1663 STIKSCAT CHEM Frelich 1679 Altracol Angstrom Exponent 3472 Strander 1718*			5%::	IIwk	500 km :: Land	:: S/c
Wind Velocity, Sea_yfc 1663 STIKSCAT CHEM Freilich 1679 Alts	AM PM Strahler, Huete et	670 BM	10%:: 5%	1/mo, 1/seas	S km :: Land	N/A :: Sfc
Wind Velocity, Sea_sfc 1663 STIKSCAT CHEM Freilich 1679 AIRS PM Aumenn 1718* Aerosol Angstrom Exponent 3442 MIMR PM TBD 3594	AM.PM Strahler, Huete et	WV 699	10%:: 5%	1/mo, 1/sens	1 km :: Land	N/A :: Sfc
STIKSCAT CHEM Freilich 1679			:: %01	IIwk	500 km :: Ocean	:: Sfc
AIRS PM Aumarn 1718* MIMR PM TBD 3594 Aerosol Angstrom Exponent 3442	CHEM Freilich	679 BM	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near_Sfc
MIMR PM TBD 3594 Aerosol Angstrom Exponent 3442	PM Aumenn	718. AM-		1/day	50 km :: Ocean	N/A :: Sfc
Aerosol Angstrom Exponent 3442	PM TBD				39 km :: Ocean	N/A :: Sfc
		_	15% :: 5%	IIday	1-20 km :: Ocean/R	
MODIS AM.PM Gordon 2295	AM.PM Gordon	295 BM	15%:: 5%	1/day, 1/wk, 1/mo	i km :: Ocean/R,L	N/A :: Atmos
AM,PM Gordon 2296	AM,PM Gordon	296 BM	15%:: 5%	1/day, 1/wk, 1/mo	20 km :: Ocean	N/A :: Atmos
Arranal Mass Loading 3424			%1∷%1	1/day	SO km :: Ocean/R	
MODIS AM.PM Kaufman, Tarre 1017	AM.PM Kaufman, Tarre	017 BM	30%:: 10%	1/day,1/mo	0.5 dg :: G,R	N/A :: Atmos

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Prod # Instr. 3446 MODIS		IDS Input Data Product		EO	FOS Instrument	Outnut Data	Paradagar.		A				
Atmost Paperal Papers 440015 AMAIN Paper Section 1259 AM ORDINES CONDING Life (1964) [160] CONTRICTION Life (1514) [160] CONTRICTION <	Investigator	F	Prod #	Instr.	Platforms	- 1	Prod # N	Match	Abs :: Rel	remporai Resolution	Resol Cover	Vertical Decel :: Course	_
Marcia M	Haris	Aerosol Optical Depth	344			100			10%,0.05 5%,0.02	2/dev-1/dev	20-50 bm .: Ocean/P	Acsol .: Cover.	
Marrier Marr				MODIS		Tarre, Kaufman	7534	BM	0.05 :: 0.02	1/day, 1/mo	0.5 dg :: Ocean	N/A :: Atmos	_
March Machine Machin				MISR		Dina	2299	Ψ¥	0.05/10% :: 0.05/10%	1/(5-16 day) [d]	15.4 km :: G	Column :: Atmos	_
MOSS AALPH Gener 244 BM 106-25; 4 169-1; 144-1, 100 107-1, 106-1,	Harris	Aerosol Radiance, Single_scattering	3446						10% :: 5%	1/day	1-20 km :: OceaniR		_
March Marc				MODIS	П	Gordon	2344	BM	10%:: 5%	1/day, 1/wk, 1/mo	1 km :: Ocean/G.R.L.	N/A :: Atmos	_
MODIS AMPP There Kaufman 1022 BM 10,110,605 11,609 11,609,1,004 10,509,6,100				MODIS		Gordon	2345	BM	10%:: 5%	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R,L	N/A :: Atmos	_
Chiengolyji Functions 4407 MADOIS AMAPH Three, Kalmin 102 MS 384 15.95 1/491, http 0.0481, CRR 1/491, http 1.20 km c. Connell Chiengolyji Functions 3403 AMAPH Abbora 277 MS MM 284-15.95 1/491, http 1.20 km c. Connell 1.20 km	Harris	Aerosol Size-distribution (Radius-Dispersion							0.1 :: 0.05	1/day	50 km :: Ocean/R		_
Chieophyli Paccatone Motor AMAPH Abboar 277 BM 0083 : 001 1404, IAN 1101: Chend, IAN 1400 1404, IAN 1404, I			j	MODIS		Terre, Kaufman	1022	BM	10-30% :: 10%	1/day,1/mo	0.5 dg :: G,R	N/A :: Atmos	_
MODIS AMAPH Abboar 277 BM OKS 100 1494, 1Ne 1 Inn Coentrol, L.	Haris	Chlorophyll Fluorescence	3462						25%::5%	11day	1-20 km :: Ocean/R		_
MODIS AMJM Abber 2378 BM 2548:184 1484;1-b4 4 time: Coant-OR			1	MODIS		Abbon	2576	BM	100: :: 100:	1/day, 1/wk	1 km :: Ocean/R.L.	N/A:: TOO	_
Chicophyli, a Case 345 MODIS AAJMA Hope 2277 BM 2576-158-158 1 Hay, 1-kt. Inc. Connell CR 1 Hay, 1-kt. Inc. Connell CR Chicophyli, a Case 345 MODIS AAJMA Case 256 AM 1 Hay, 1-kt. Inc. Connell CR 1 Hay, 1-kt. Inc. Connell CR Chicophyli, a Case 345 HADIS Case 270 BM 500-106-378 1 Hay, 1-kt. Inc. Connell CR Chicophyli, a Case 345 HADIS Case 270 BM 500-106-378 1 Hay, 1-kt. Inc. Connell CR Chicophyli, a Case 345 MODIS AAJMA Case 270 BM 500-106-378 1 Hay, 1-kt. Inc. Connell CR Chicophyli, a Case 345 MODIS AAJMA Abbea 250 AM 500-106-378 1 Hay, 1-kt. Inc. Connell CR Chicophyli, a Case 345 AAJMA Abbea 250 AM 500-106-378 1 Hay, 1-kt. Inc. Connell CR Chicophyli Case AAJMA Abbea 250 AM 500-106-378 1 Hay, 1-kt. Inc. Connell CR <				MODIS		Abbott	2575	BM	100: :: 400:	1/day, 1/wk	4 km :: OceanG.R	NA: TOO	_
Chicophy a Cone MODIS AMPM Abone 2466 BM 6468-1394 15-10 day 0-35-10				MODIS		Hoge	2573	BM BM	25% :: 8%	1/day, 1/wk	1 km :: Ocean/R	NA: TOO	_
NODIS AMPH Chebr 2566 BM \$0.0006;354 140p. Indep. Haris	Chlorophyll a Conc	3454						40% :: 20%	2-10 days	0.25-1 km:: Ocean/R		_	
MODIS AALPH Chiefe Modis			1	MODIS		Abbott	2566*	BM	50-100% :: 35%	1/day, 1/wk	1 km :: Occan/R.L	N/A:: TOO	_
Charaphyli a Conc M45			1	MODIS		Carder	2570	BM	50%:: 10%	1/day, 1/wk, 1/mo	1 km :: Ocean-II/G,R	NA:: TOO	_
Chienghyli a Conc. 3455 MODIS AAJPH Carder 2270 BM 20-10/6-, 10-15-6 Highy Libek, Jimo 1 Lima: Ocean-1G.R MODIS AAJPH Carder 2270 BM 20-10-6-, 10-16- Highy, Libek, Jimo 1 Lima: Ocean-1G.R MODIS AAJPH Abbeat 2567 AM 50-10-6-, 2364 Highy, Libek, Jimo 1 Lima: Ocean-1G.R MODIS AAJPH Abbeat 2567 AM 50-10-6-, 2364 Highy, Libek, Jimo 1 Lima: Ocean-1G.R MODIS AAJPH Abbeat 2567 AM 50-10-6-, 2364 Highy, Libek, Jimo 1 Lima: Ocean-1G.R MODIS AAJPH Abbeat 2567 AM 50-10-6-, 2364 Highy, Libek, Jimo 1 Lima: Ocean-1G.R MODIS AAJPH Carder 2570 BM 20-10-6-, 2364 Highy, Libek, Jimo 1 Lima: Ocean-1G.R MODIS AAJPH Carder 2567 AM 50-10-6-, 2364 Highy, Libek, Jimo 1 Lima: Ocean-1G.R MODIS AAJPH Abbeat 2567 AM 50-10-6-, 2364 Highy, Libek, Jimo 1 Lima: Ocean-1G.R MODIS AAJPH Abbeat 2567 AM 50-10-6-, 24-24 1/day, Libek, Jimo 1 Lima: Ocean-1G.R AURIS AAJPH Abbeat 2567 AM 50-10-6-, 24-24 1/day, Libek, Jimo 1 Lima: Ocean-1G.R AURIS AAJPH Abbeat 2567 AM 59-10-6-, 24-24 1/day, Libek, Jimo 1 Lima: Ocean-1G.R AURIS AAJPH Abbeat 2567 AM 59-10-6-, 24-24 1/day, Libek, Jimo 1 Lima: Ocean-1G.R AURIS AAJPH Abbeat 2567 AM 59-10-6-, 24-24 1/day, Libek, Jimo 1				HTRIS		Carder, Melack	2565	¥	100% :: 50%	1/(2 day) [d]	60-90 m :: Ocean-II/L	N/A:: TOO	_
MODIS AALPM Carder 2271 BM 50% = 10% 10% 10m; Ocean-ILCR MODIS AALPM Carder 2271 BM 50% = 10% 10m; Ocean-ILCR MODIS AALPM Carder 2772 BM 50% = 10% 10m; Ocean-ILCR MODIS AALPM Abboar 2569 AM 50,100% = 354 140y, 1.04x, 1.0m 20m; Ocean-ILCR MODIS AALPM Abboar 2569 AM 50,100% = 354 140y, 1.04x, 1.0m 20m; Ocean-ILCR MODIS AALPM Abboar 2569 AM 50,100% = 354 140y, 1.04x, 1.0m 20m; Ocean-ILCR MODIS AALPM Abboar 2569 AM 50,100% = 354 140y, 1.04x, 1.0m 20m; Ocean-ILCR MODIS AALPM Abboar 2569 AM 50,100% = 354 140y, 1.04x, 1.0m 20m; Ocean-ILCR MODIS AALPM Abboar 2569 AM 50,100% = 354 140y, 1.04x, 1.0m 20m; Ocean-ILCR MODIS AALPM Abboar 2569 AM 50,00% = 354 140y, 1.04x, 1.0m 20m; Ocean-ILCR MODIS AALPM Abboar 2569 AM 50,00% = 354 140y, 1.04x, 1.0m 20m; Ocean-ILCR MODIS AALPM Abboar 2569 AM 10,00% = 354 35,00 m; Ocean-ILCR MODIS AALPM Abboar 2569 AM 10,00% = 354 35,00 m; Ocean-ILCR MODIS AALPM Abboar 2004 AM 30,00% = 354 35,00 m; Ocean-ILCR MODIS AALPM Abboar 2007 AM 30,00% = 354 35,00 m; Ocean-ILCR MODIS AALPM Abboar 2007 AM 30,00% = 35,00 m; Ocean-ILCR AM 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,00% = 35,00% 30,0	Haris	Chlorophyll a Conc	3455						20-30% :: 10-15%	11day	1-20 km :: OceanR		_
MODIS AALPM Clark 2273 BM 30% : 10% 14m; Coenst/l.			1	MODIS		Carder	2570	BM	50% :: 10%	1/day, 1/wk, 1/mo	1 km :: Occan-II/G.R	N/A:: TOO	_
MODIS AMPM Abbot 2567 AM 50.1096;;33% 140y, 1/wk, 1/mo 20 km; Cecen-LC,R				MODIS		Clark	1752	BM	30%:: 10%	1/day, 1/wk, 1/mo	1 km :: Ocean-I/L	NA: TOO	_
MODIS AMPM Abbot 2564 AM SO11004::334 164y,1-lok 1 lbm::Ocean/R.	···		1	MODIS	Ì	Clark	2572	BM	30% :: 10%	1/day, 1/wk, 1/mo	20 km :: Ocean-I/G.R	N/A:: TOO	_
Cloud Point Cover AMEN AMEN AMEN AMEN AMEN AMEN AMEN AMEN			1	MODIS		Abbott	2566	ΑM	50-100% :: 35%	1/day, 1/wk	1 km :: Ocean/R.L.	N/A:: TOO	_
Chinophyli a Conc Models				MODIS		Abbott	2567	AM	50-100%:: 35%	1/day, 1/wk	4 km :: Ocean/G,R	N/A:: TOO	_
MODIS AAJPM Carder 2570 BM SOS; 1054 1/day, 1/Me, 1/mo 1 km; Cocan-IJG, R	Haris	Chlorophyll a Conc	3456						20-30% :: 10-15%	2-10 days	0.25-1 km :: Ocean/R		_
HIRIS AM2 Chief. Divis 2564 AM 5096;;254 1/(2 day) cl 30-90 m; Oceani. II.				MODIS		Carder	2570	M	50%:: 10%	1/day, 1/wk, 1/mo	1 km :: Ocean-II/G.R	NA: TOO	
Cloud Cover 345 AM-PM King 2081 BM 5-104s; 12-36 21day 5-104y [da] 5-104				HIRIS		Carder, Davis	2564	ΑM	50% :: 25%	1/(2 day) [d]	30-90 m :: Ocean-I/L	N/A:: TOO	
Cloud Huigh, Top 3437 CERES TRM_AM_PM Barteron 2061 BM S%; 25% 5/day [d.n], I from 5 km; G	Hæris	Cloud Cover	3436						5-10% :: 2-5%	2/day	5-50 km :: Ocean/R		
CIRES TRM,AM,PM Bartstrom 2086 BM SS :: 2% 6/day [d.j.] 25 km :: G Class C			1	MODIS	АМ,РМ	King	2081	ВМ	10%:: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud	
Cloud Heigh, Top 3437 CLERES TRNA,ANLPM Barkstrom 1429 BM 1.0 km; c.) km 1.0 km; c.) km; c. 1.0 km; c.				CERES	TRM,AM,PM	Barkstrom	2086	BM	5% :: 2%	6/day [d,n]	25 km :: G	N/A :: Atmos	
Clud Height, Top 3437 CERES TRM_AMP M Backstrom 1472. AMP 148. 1472.16 day) 10-200 km.: G Cloud Height, Top 3437 CERES TRM_AMP M Backstrom 1428 BM 10 bm.: 0.1 km 6/day [d.n] 20-50 km.: G ANDIS AMPM Marcel 1528 BM 50 mb.: 0.20km 2/day [d.n] 15 x 15 50 x 50 km.: G ANDIS AMPM Chaine, Checlin, 1423 AM 0.5 km.: 0.25 km 2/day [d.n] 15 x 15 50 x 50 km.: G Cloud Optical Depth AMDIS AMPM King 2311 AM 0.5 km.: 0.25 km 2/day [d.n] 15 x 15 50 x 50 km.: G Cloud Temperature, Top AMDIS AMPM King 2311 AM 25%: 10% 3/day [d.n] 25 km.: G Cloud Temperature, Top 3449 AMDIS AMPAMPM Marterom 2311 AM 25%: 10% 3/day [d.n] 25 km.: G Cloud Temperature, Top 3448 AMS AMS AMS 25%: 10% 3/day [d.n] 25 km.: G Albs A				AIRS		Chahine, Chedin,	2062	ΨV	0.05 :: 0.025	2/day [d,n]	15 x 15 · 50 x 50 km :: G	N/A :: Cloud	_
Cloud Heigh, Top 343 CERES TRM,AMPP Bartarom 1429 BM 10 km; 0.1 km 6/day [d.n] 20.50 bm; 0.0ccou/R 20.50 bm; 0.0ccou/R Cloud Opical Depth AIRS PM Chaine, Chedin, 1423 AM 0.5 km; 0.0m; 20 km 2/day 5.50 km; 0.0ccou/R 5.50 km; 0.0ccou/R 5.50 km; 0.0ccou/R 5.6kay [d.n] 15.15:-50x 30 km; 0.0ccou/R 5.6kay [d.n] 15.15:-50x 30 km; 0.0ccou/R 5.50 km; 0.0ccou/R 5				GLRS-A		Spinhime	2078	¥	1%:	1/(2-16 day)	10-200 km :: G	N/A ::	_
CERES TRM_AM_PM Bartstrom 1429 BM 1.0 km:: 0.1 km 6/day [d.n] 25 km:: G MODIS AMP MoDIS AMP 50 mb:: 20 mb 2/day 15.5 m.: G BM 50 mb:: 20 mb 2/day 15.5 m.: G BM 50 mb:: 20 mb 5/day 15.5 m.: G BM 5 km:: G 15.5 m.: G 15.5	Haris	Cloud Height, Top	3437						0.5 :: 0.3	21day	20-50 km :: Ocean/R		
MODIS AM_PM Mercel 1528 BM 50 mb; 20 mb 2/day d.n. 5 km; G				CERES	Σ	Barkstrom	1429	푎	1.0 km :: 0.1 km	6/day [d.n]	25 km :: G	0.1 km :: Atmos	
Cloud Optical Depth 3445 PM Chaline, Chedin, 1423* AM 0.5 km; 0.25 km 2/day [d,n] 15 x 15 · 50 x 50 km; G Cloud Optical Depth 3445 MODIS AM_PM King 2311 BM 20%; 10% 1/day [d] 5.50 km; G 1 EOSP ARRO,AM Travis 2313 AM 25%; 10% 1/day [d] 5.50 km; G 1 Cloud Temperature, Top 3449 ARRO,AM,PM Bartarom 2315 AM 25%; 10% 6/day [d,n] 25 km; G 1 Cloud Temperature, Top AMP Bartarom 231 AM 25%; 10% 6/day [d,n] 5.50 km; G 1 Cloud Temperature, Top AMP Bartarom 231 AM 25%; 10% 5/day [d,n] 5.50 km; G 1 Cloud Temperature, Top AMPS PM Charlet, G.5.1 K 2/day [d,n] 5.50 km; G 5.50 km; G Gelbaroff Abaroption Cod 3453 HIRIS AMD Charlet, Melact 20%; 10% 2.10 day 0.550 km; G Humidi				MODIS		Menzel	1528	Æ	50 mb :: 20 mb	2/day	5 km :: G	N/A :: Cloud	
Cloud Optical Depith 3445 AM_PM King 2311 BM 10-20%::5-10% 1/day [d] 5-50 km:: Ocean/R RODIS ARROAMS Travis 2311 BM 20%::10% 1/day [d] 5 km:: G CERS TRMAAM,PM Barkstrom 2316 AM 25%::10% 1/day [d] 40 km:: G Cloud Temperature, Top 3449 TRMAAM,PM Barkstrom 2321 AM 25%::10% 3/day [d_s] 25 km:: G Cloud Temperature, Top 3449 AMISS AM_PM Merasel 2467 BM 2 C:: 10% 3/day [d_s] 5-50 km:: G Celbstoff Absorption Coef 3453 AM Challine, Chedin, Melack 3215 BM 2 C:: 10 Km 2 /day 15 x 15 - 50 x 50 km:: G Humidity Profile 3438 AMIS PM Chedin, Pleming, 1828 BM 10%:: 5% 2 /day [d_s] 10.50 km:: G AMISS PM Chedin, Pleming, 1828 BM 10%:: 5% 2 /day [d_s] 10.50 km:: G				AIRS		Chahine, Chedin,	1423	¥	0.5 km :: 0.25 km	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud	
Cond Temperature, Top 3449 Cond Temperature, Top Cond Temp	Hæris	Cloud Optical Depth	× × × × × × × × × × × × × × × × × × ×						10-20% :: 5-10%	21day-11day	5-50 km :: Ocean/R		_
CERES TRM,AM,PM Barkstrom 2316 AM 25%::10% 1/day [d] 40 km::G CERES TRM,AM,PM Barkstrom 2311 AM 25%::10% 6/day [d] 25 km::G CERES TRM,AM,PM Barkstrom 2321 AM 25%::10% 3/day [d] 25 km::G MODIS AM,PM Merzel 2467 BM 1.2 K::0.5.1 K 2/day [d] 5.50 km::G cen/R AIRS AM2 Carder, Melack 3215 BM 10%::5% 1/(2 day) [d] 30.90 m::Ocean/R Hunidity Profile 3438 AIRS PM Chedin, Pleming 1828 BM 10%::5% 2/day 15.50 · 50 × 50 km::G Munidity Profile 3438 AIRS PM Chedin, Pleming 1828 BM 10%::5% 2/day 2/day 15.50 · 50 × 50 km::G Munidity Profile 3438 AIRS PM Chedin, Pleming 1828 BM 10%::5% 2/day 2/day 15.50 · 50 × 50 km::G Munidity Profile 3438 AIRS PM Chedin, Pleming 1828 BM 10%::5% 2/day 2/day 15.50 · 50 × 50 km::G Munidity Profile 3438 AIRS PM Chedin, Pleming 1828 BM 10%::5% 2/day 2/day 15.50 · 50 × 50 km::G Munidity Profile 3438 AIRS PM Chedin, Pleming 1828 BM 10%::5% 2/day				MODIS	I	King	2311	EM EM	20%:: 10%	1/dey [d]	5 km :: G	N/A :: Cloud	_
CERES TRM,AM,PM Barkstrom 2316 AM 25%::10% 6/day [d.h] 25 km::G Cloud Temperature, Top 3449 TRM,AM,PM Barkstrom 2321 AM 25%::10% 3/day [d.h] 25 km::G AlkS AM,PM Am,PM Merzel 2467 BM 1.2 K::0.5.1 K 2/day 5 km::G AlkS AM,PM Am,PM Amerzel 2467 BM 1 K::0.5 K 2/day 5 km::G Gelbrioff Absorption Coef 3433 HIRIS AM,P Chida, Accepting, Chedin, Peming, 1828 BM 1 C::1 C 2/day 15.5 lbm:: Ocean/R Humidity Profile 3438 AIRS PM Chedin, Peming, 1828 BM 10%:: 5% 2/day 10.50 bm:: Ocean/R				EOSP	AERO,AM2	Travis	2313	₹	20%:: 10%	1/day [d]	40 km :: G	Column :: Cloud	_
CERESS TRM,AM,PM Barkstrom 225 in 10% 3/day [d] 25 km :: G Cloud Temperature, Top 3449 AMP AM,PM Merzel 2467 BM 1.2 K :: 0.5.1 K 2/day [d] 5.50 km :: G AIRS AM,PM Merzel 2467 BM 2 C :: 1 C 2/day 5 km :: G Gelbroff Absorption Coef 3453 FM Carder, Melack 3215 BM 1 K :: 0.5 K 2.10 days 0.25-1 km :: Ocean/R Hwidity Profile 3438 AMS AMS Carder, Melack 3215 BM 10% :: 5% 1/(2 day) [d] 30-90 m :: Ocean/R AIRS PM Ghedin, Perning, 1828 BM 10% :: 5% 2/day [d.n.] 15.50 - 50 x 50 x 50 x 50 x 50 x 50 x 50 x				CERES	TRM,AM,PM	Barkstrom	2316	₹	25%:: 10%	6/day [d,n]	25 km :: G	N/A :: Atmos	
Cloud Temperature, Top AMDIS AM,PM Merizel 2467 BM 1.2 K :: 0.5.1 K 2/day 5.50 km :: Ocean/R 5 km :: G AlRS AMS AMP Celbstoff Absorption Coef 343 AM Charline, Chedin, Acian, BM 11 K :: 0.5 K 2/day [d.n] 15 x 15 · 50 x 50 km :: G Gelbstoff Absorption Coef 343 HIRIS AMZ Carder, Melack 3215 BM 5.0% :: 10% 2.10 daye 0.25-1 km :: Ocean/R Humidity Profile 3438 AIRS PM Chedin, Perning, 1828 BM 10% :: 5% 2/day 10-50 km :: Ocean/R				CERES	TRM,AM,PM	Barkstrom	2321	¥	25%:: 10%	3/dny [d]	25 km :: G	N/A :: Atmos	_
MODIS AM,PM Merzel 2467 BM 2 C.: 1 C 2/day 5 km.: G Gelbroff Absorpion Coef 3453 PM Chabine, Chedin, 2463 BM 1 K.: 0.5 K 2/day [d.n] 15 x 15 · 50 x 50 km.: G HWILS AM2 Carder, Melack 3215 BM 50%.: 10% 2.10 days 0.25-1 bw.: Ocean/R Hwildity Profile 3438 AIRS PM Chedin, Perning, 1828 BM 10%.: 5% 2/day 10.50 km.: Gean/R	Haris	Cloud Temperature. Top	3449						1-2 K :: 05-1 K	21day-11day	5-50 km :: Ocean/R		_
Celbroff Absorption Coef 3433 PM Chabine, Chedin, Profile 2463 BM 1 K :: 0.5 K 2/day [d.n] 15 x 15 · 50 x 50 km :: O HIRIS AM2 Carder, Melack 3215 BM 50% :: 25% 1/(2 day) [d] 30-90 m :: Ocean/R Humidity Profile 3438 AIRS PM Chedin, Perning, 1828 BM 10% :: 5% 2/day 1/5 x 50 · 50 x 50 km :: O				MODIS	1	Menzel	2467	Æ	2C::1C	2/day	5 km :: G	N/A :: Cloud	_
Colonial Absorption Cod 3433				AIKS		Chahine, Chedin,	2463	M	1K:05K	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud	_
Hamidity Profile	H@TL	Gelostoff Absorption Coef	505						20% :: 10%	2-10 days	0.25-1 km:: Ocean/R		_
Humudity Profile 3438 AIRS PM Chedin, Pleming, 1828 BM 10%.: 5% 2/day [d.n] 15 x 50 · 50 x 50 km :: G				HIKES		Carder, Melack	3215	M	50% :: 25%	1/(2 day) [d]	30-90 m :: Ocean-I/L	N/A :: TOO	_
PM Chedin, Fleming, 1828 BM 10%::5% 2/day [d.n] 15 x 50 · 50 x 50 km :: G	Harris	Humidity Profile	3438			 - -			10% :: 5%	21day	10-50 km :: Ocean/R	I km :: Atmos	
			1	AIRS		Chedin, Fleming.	1828	BM	10%:: 5%	2/day [d.n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos	

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Investigator Product Name Haris Level-18 Backscater Cod, I: Haris Level-2 Radiance, Water-lea Haris Ocean Wave Height Haris Ocean Wave Height Haris Organic Matter Conc, Disso Haris Pigment Conc	Product Name Land_sfc Temperature, Skin Level-18 Backscatur Cod, HIRIS Level-2 Radiance, Water-leaving Ocean Productivity, Primary	3450 #	Instr.	Platforms	Investigator Prod#	Prod # Match	fatch	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
	reature 6. Skin nce, Water-leaving tivity, Primary Menuation Cod@490nm	3450		388						20.50 bm :: Ocean/R	
	scater Cod, HIRIS uce, Water-leaving tivity, Primary Attenuation Cod(@490nm	348	ATDG	***************************************				0.5 :: 0.2	21day		
	scater Cod, HIRIS nce, Water-leaving tivity, Primary Attenuation Cod(@490nm	3448	2	Md	Chedin, Fleming,	2481	BM	1.0 K :: 0.5 K	2/day [d,n]	50 km :: Land	N/A :: Sfc
	scatter Cod, HIRIS uce, Water-leaving tivity, Primary Attenuation Cod(@490nm	3448	MODIS	2	Wen	2485	BM	1-3C::1C	1/day, 1/wk	10 km :: Land	N/A :: Sfc
	scates Cod, HIRIS sce, Water-leaving sivity, Primary Attenuation Cod(@490nm	3448	MODIS		Wan	2484	BM	10::10	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc
	ice, Water-leaving tivity, Primary Attenuation Coaf@490nm	1						20% :: 10%	2-10 days	0.25-1 km :: Ocean/R	
	ice, Water-leaving tivity, Primary Attenuation Coaf@490nm		HRIS	AM2	Carder, Melack	3210	BM.	50% :: 25%	1/(2 day) [d]	30-90 m :: Ocean/L	N/A :: Sfc
	tivity, Primary Attenuation Cod@490nm	3447						10% :: 5%	1/day	1-20 km :: Ocean/R	
	tivity, Primary Attenuation Cod@490nm		MODIS	AM.PM	Gordon et al	2416	BM	5%:: 5%	1/day, 1/wk, 1/mo	1 km :: Occan/R,L	N/A :: Sfc
	tivity, Primary Attenuation Cod@490nm	J	MODIS	Γ	Gordon et al	2417	BM	5%:: 5%	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
	Altentation Cod@490nm	3460		П				30% .: 5%	l/day	1-20 km :: OceanIR	
	Altenuation Cod@490nm	3	MODIS	AM PM	Abbott	2602	BM	:: \$0-100%	1/day, 1/wk	1 km :: Ocean-I/R,L	N/A:: TOO
	Attenuation Cod(@490nm	<u> </u>	MODIS		Abbott	2603	BM	:: \$0.100%	1/day, 1/wk	4 km :: Ocean-1/G,R	N/A:: TOO
	Altenuction Cod@A90nm	1	MODIS		Feains	2606	BM	<35%:: <20%	1/wk, 1/mo, 1/yr	20 km :: Ocem/G,R	N/A:: TOO
	Attenuation Coof@490nm	_ 1	HIRIS		Davis Melack et	2601	¥	100% :: 50%	1/(>=2 day)	30-90 m :: Ocean/L	N/A:: TOO
	Nienwaton Cog @Tyonn	1977	C C C C C C C C C C C C C C C C C C C		200			25% 10%	Ilday	1-20 km :: Ocean/R	
		7040	MODIE	AM DM	1	3300	Ma	254104.	1/day 1/wk 1/mo	1 km :: Ocean-I/R.L.	N/A:: TOO
			MODIS	Τ	Control Cart	3100	E E	259 104.	1/day, 1/wk, 1/mo	20 km :: Occan-I/ R.L.	N/A:: TOO
			MODIS	Т	Cortion, Clark	2123) I	20 2000 5 2000	1 10 days	7.25 bm Ocean(B)	
	Height	343/	-					10-20-00 3-20-01	ofan of-f	Then : Ocean	N/A :: Cfc
			ALT	ALT	큔	3129	BM M	>.>m,!0% ::		/ Km :: Ocean	MA 310
	Organic Matter Conc, Dissolved	3457						100% :: 30%	liday	1-20 km :: Ocean/R	
			MODIS		Ourder	2581*	BM	150%:: 30%	1/day, 1/wk, 1/mo	1 km:: Ocean/R,L	N/A :: T00
			MODIS	AM,PM	Carder	2580*	BM	150%:: 30%	1/day, 1/wk, 1/mo	20 km :: Occan	N/A :: TOO
			MODIS	AM,PM	Parslow et al	2583	BM	150%:: 30%	1/day, 1/wk, 1/mo	1 km :: Ocean [Southern]R,L	N/A :: T00
			MODIS	AM,PM	Parslow et al	2582	BM	150% :: 30%	1/day, 1/wk, 1/mo	20 km :: Ocean [Southern]	N/A:: TOO
		3458						30% :: 10%	Ilday	1-20 km :: Ocean/R	
			MODIS	AM,PM	Gordon, Clark	2592	BM	30%:: 10%	1/day, 1/wk, 1/mo	1 km:: Ocean/R,L	N/A:: TOO
			MODIS	AM,PM	Gordon, Clark	2591	BM	30%:: 10%	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: TOO
			MODIS	AM,PM	Hoge, Esaias	2594•	BM	50%:: 15%	1/day, 1/wk	20 km :: Ocean/R	N/A:: TOO
			MODIS	AM,PM	Hoge, Esains	2593•	BM	50%:: 15%	1/day, 1/wk	1 km :: Occan/R	N/A :: T00
			MODIS		Hoge	3320•	BM	50%:: 15%	l day,wk.mo	1 km :: Ocean/RL	N/A :: T00
			MODIS		Hoge	3319*	BM	50% :: 15%	1 day,wk,mo	20 km :: Ocean/GR	N/A:: T00
Haris Piement Conc. Accessory	Accessory	3459		ı				20% :: 10%	2-10 days	0.25-1 km.; Ocean/R	
			HIRIS	AM2	Davis, Melack	3072	BM	100% :: 50%	1/(>=2 day)	60-90 m :: Ocean-1/L	N/A:: TOO
			MODIS	AM,PM	Hoge	3320*	BM	50% :: 15%	1 day,wk,mo	1 km :: Ocean/RL	N/A :: T00
Harris Precipitable Water	Vator	86.52							1/day	10-25 km :: Ocean/R	
			MODIS	AM.PM	Menzel	1875	BM	10 mm :: 5 mm	2/day	5 km :: G	N/A :: Atmos
			MIMR	M	130	3596	BM			22 km :: Ocean	Column :: Trop
Haris Precipitable Water	Was	3440						5% :: 3%	21day	20-50 lbm :: Ocean/R	
			AIRS	PM	Chedin, Fleming,	1869	BM	5%:: 3%	2/day [d,n]	50 km :: G	N/A :: Trop
			AIRS	M	Rosenkranz	3693	BM	2 mm :: 1 mm	2/day [d,n]	S0 km :: G	N/A :: Trop
			Modis	AM,PM	Menzel	1875	ВМ	10 mm :: 5 mm	2/day	5 km :: G	N/A :: Atmos
Horris Precipitation Amount	Amount	3441						2::1	21day	20-50 km :: Ocean/R	
			AIRS	M	Susskind	*696 1	ВМ	Zmm/day :: 1mm/day	2/day [d,n]	50 km :: G	N/A :: Trop
			AIRS	¥	Staclin	3694	BM	2mm/hr :: 1mm/hr	2/day [d,n]	50 km :: G	N/A :: Trop
			MIMR	M	TBD	3600	AM			22 km :: Global	N/A :: Sfc
Dodining Flux Con ef-	n See efe	343						5%::2%	21day	20-50 km :: Ocean/R	
HOTE ALGERT	W, 556 - 9-	:	AIRS	PM	Gautier	2177*	BM	<10:: TBD	1/day	50 km :: Ocean	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Proof # Inst.		IDS Input Data Product		S ₂	S Inchman	P. 1							1
Say Lord Market	Investigator	E	Prod #		Platforms	Investigator	Prod #	Match	Accuracy Abs :: Rel	Temporal	Horizontal Resol - Cover	Vertical	_
Sea_gif_injugi_Loug-sea_	Hæris	Radiative Flux, Sea_yc	3443	AIRS	P.W.	Gautier	2233•	BM	<10::<5	1/day	SO km :: Ocean	N/A CO.	_
Sta_Lord Hingle, Along Teach 310 MAY Time 1284 AND 10 10 10 10 10 10 10 10 10 10 10 10 10				MODIS		Gordon	2267	Ϋ́	10% :: 5%	1/day [d]	1 km :: Ocean	N/A :: Sfe	_
Sea_gt Temporate (St) St) , n			MODIS		Taure	2268•	ΨV	200 :: 5 - 20%	1/day, 1/wk	1 km :: G,R	N/A :: Atmos	,	
Start of Comparing (SST) ALT ALT PAL PAL <td>21.01</td> <td>Sea Level Heigh, Along-track</td> <th>3427</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2%::1%</td> <td>1-10 days</td> <td>7-25 km :: Ocean/R</td> <td></td> <td>_</td>	21.01	Sea Level Heigh, Along-track	3427						2%::1%	1-10 days	7-25 km :: Ocean/R		_
Star of Freedoment (SST) Models M				ALT		P.	3112	BM	10 cm ::		7 km :: Ocean	N/A :: Sfe	_
Son of Frequency (SST) MODIS AMAPM Record 227 RM 0.14 K. 0.20 S. 20 M. 1 Hay 10.1 K. 0.20 S. M. Son of Frequency (SST) MODIS AMAPM Record (March Control) 1 Hay 0.14 K. 0.20 S. M. 1 Hay 10. 10 M. Son of Frequency (March Control) ALT ALT R. D. 3128 RM 0.14 K. 0.20 S. M. 1 Hay 10. 10 M. Temporare ALT ALT R. D. 1 10 M. 1 10 M. 1 10 M. 1 10 M. 2 10 M. <	Hærus	Sea_sfc Temperature (SST)	3421						05-1 K :: 0.2-0.3 K	1/day	0.25-1 km :: Ocean/R		
Sea gt Tayorater (SST) 343				MODIS		Вгочп	2527	BM	0.3-0.5 K :: 0.1-0.3 K	1/day, 1/wk, 1/mo	1 km :: Ocean/L	N/A :: Sfe	-
MODISS AMADM Brown Bane Bane Garden Harris	Sea_sfc Temperature (SST)	3452						05-1 K :: 0.2-0.3 K	1/day	20 km :: Ocean/R		_	
Son of Chand Ling MA, Mark ALT ALT ALT NAT NAT NAT NAT ALT ALT </td <td></td> <td></td> <th></th> <td>MODIS</td> <td></td> <td>Brown</td> <td>2528</td> <td>ВМ</td> <td>0.3-0.6K :: 0.1-0.3K</td> <td>1/day, 1/wk, 1/mo</td> <td>20 km :: Ocean/G.R</td> <td>N/A :: Sfe</td> <td>_</td>				MODIS		Brown	2528	ВМ	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G.R	N/A :: Sfe	_
Tange Tang				MODIS		Brown, Barton	2531	BM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G.R	NA Ste	_
Temporate	Haris	Sea_sfc Topographic Height	3429						2%::1%	1-10 days	7-25 km :: Ocean/R		_
Mind Speed, Star, ffc, and starting 138 BM 1.0K = 0.4				ALT		균	3108	ВМ		1/(16 day)	25 km :: Ocean	N/A :: Sfc	_
Wind Speed, See, n°C	Harts	Temperature	3428						1::0.5	2/day	10-50 km :: Ocean/R	I km :: Atmos	_
Marco Prod Start Start Marco M				AIRS		Chedin, Fleming.	1588	BM	1.0 K :: 0.4 K	2/day [d,n]	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos	_
MAME ALIE	Haris	Wind Speed, Sea_sfc	3435						5-10% :: 2-10%	1.10 days	1-25 km :: Ocean/R	NIA S.f.	_
Mink Pink TibD 1994 AM 1695 BM 1695			•	ALT		P.	1735	BM	2 m/s ::		7 km :: Ocean	N/A :: Sfc	_
Wind Velocity 343 Alles PM Annun 1718 AM Iley 140 150 160 160 171 160 160 171 160 171 17				MIMR	Ī	TBD	3594	ΑM			39 km :: Occan	N/A :: Sfc	
Wind Votes 343 STRECKY CHEM Freiith 1650 BM 1054,206,156 cg 1/17 day) 25 lm : Ocean/R				AIRS		Aumenn	1718*	AM		1/day	50 km :: Ocean	N/A :: Sfc	- -
	Haris	Wind Velocity	3433						10%,20% 5%,10%	I day	25 km :: OcrawR	NA Sfe	_
Mode Lond Leg water Total Cabul 1994 1995 1994 1996				STIKSCAT		Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near Sfc	_
Acrosol Opiical Depth 1002 STIESCAT CIEBM Feelich 1012 BM ::74, 16 deg 1/(2 day) 1 dg::Ocean	Haru	Wind Velocity	3434						7%,14% :: 5%,10%	2 days	100 km :: Ocean/R	N/A :: Sfc	_
Actional Depth 1002 SAGERIII Actional Depth 1002 Actional Depth 1002 Actional Depth 1002 Actional Depth 1003 Actional Depth				STIKSCAT		Freilich	1679	ВМ	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near Sfe	_
SACE ABOCING ACT	Harimann	Aerosol Optical Depth	1002						tau=0.02 ::	Ilday	20 km :: G	3 km : 0.75 km	_
Milk AM Dine 229 BM 0.05/1046; 0.05/1076 1/64/1/40 15/4 Hm; G 1/64/1/40				SAGE-III	7	McCormick	1012	BM	5%:: 5%	1/(2 min), 30/day	<2x< de: G	1 km :: 0.40 km	-
NODIS AAPPA Ture, Each				MISR		Diner	2299	BM	0.05/10% :: 0.05/10%	1/(5-16 day) [d]	15.4 km :: G	Column : Armos	-
MODIS AM-PM Kanfman, Tarre 2294 AM 0.05,0.002 1/day; I/fmo 0.5 dg: Land MODIS AM-PM Tarre, Kanfman 1023 AM 0.05,0.003 1/day; I/fmo 0.5 dg: Land 0.5 dg: Cean 0.5 dg:				EOSP	2	Travis	7227	AM	0.2 :: 10%	1/day [d]	40 km :: G	Column :: Atmos	-
MODIS AM-PM Ture, Kaufman 259 AM 0.05 :: 0.02 1/day, 1/mo 0.5 dg:: Ocean				MODIS		Kaufman, Tanre	2293	AM	0.1 :: 0.05	1/day, 1/mo	0.5 dg :: Land	N/A :: Atmos	
March Mish				MODIS		Tarre, Kaufman	2294	ΑM	0.05 :: 0.02	1/day, 1/mo	0.5 dg :: Ocean	N/A :: Atmos	-
Mode Mode				MISR		Diner	3676	ΑM	0.05/10% :: 0.05/10%	9,16 day; mo; seas; yr	15.4 km ? :: G	Column :: Atmos	-
MODIS AMPPM Tarre, Kaufman 1022 BM 10.30% :: 10% 1/dsy1/lmo 0.5 dg :: GR MISR AM Diner 1993 BM 15% :: 10% 1/ds.16 day) [d] 11.4 km :: G MISR AM Diner 1994 AM 15% :: 10% 1/dsy 0.5 day; CR 1/dsy 1.9 km :: R 1.9 km :: G 1/dsy 1.9 km :: R 1.9 km :: G 1/dsy 1.9 km :: R 1.9 km :: G 1/dsy 1.9 km :: R 1.9 km :: G 1/dsy 1.9 km :: R 1.9 km :: G 1/dsy 1.9 km :: R 1.9 km :: G 1/dsy 1.9 km :: R 1.9 km :: G 1/dsy 1.2 km ::	Harimann	Aerosol Site-distribution	0707						20% :: 20%	1/day	20 km :: G	NIA :: 0-15 km	_
MISR AM Diner 1993 BM 154;:1046 1/(5:16 day) [d] 15.4 km; G MISR AM Diner 1994 AM 154;:1046 1/(5:16 day) [d] 15.4 km; G MISR AM Diner 1994 AM 154;:1046 1/(5:16 day) 1.9 km; G MISR AM Misk Mis				MODIS	1	Tanre, Kaufman	707	BM	10-30% :: 10%	1/day,1/mo	0.5 dg :: G,R	N/A :: Atmos	
MISR AM Diner 3678 BM 15%:10% 9,16 day; mo; seas; yr 154 km?; G	7.5		L	MISR		Diner	1993	BM	15%:: 10%	1/(5-16 day) [d]	15.4 km :: G	Column :: Atmos	
Albedo, Land_styc 1997				MISR		Diner	3678	BM	15%:: 10%	9,16 day; mo; seas; yr	15.4 km ? :: G	Column :: Atmos	
MODIS AM_PM Tarre, Muller 2016 BM 15%:: 5.8% 1/day 20 hm:: G 1/day 2/day		,		MISR		Diner	198	¥	15% :: 10%	1/(5-16 day)	1.9 km :: R	Column :: Atmos	, .
Cloud Drop Size-distribution 1773		Albedo, Lana Sic) ()						1%::0.5%	Ilday	20 km :: G	N/A ::	
MODIS AM_PM Grauter 77 2000 AM 15%::5:8% 1/day 50 km:: Land 1/day 50 km:: Land 1/day MODIS AM_PM Tarre, Muller 2015 AM 15%::5:8% 1/day 10 km:: GR 1/day 10 km:: GR 1/day 10 km:: Graut 1/day			_1_	MODIS	Т	I anre, Muller	9102	E E	15%:: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A :: Sfc	_
Cloud Drop Size distribution 173 ASTER AM1 Weth 3627 BM 20% :: 20% 1/day 10 hm :: G				AIRS	T	Gentier 77	2000	¥		1/day	50 km :: Land	N/A :: Sfc	
1/3 ASTER AM1 Wech 3627 BM 1/(16 day) 90 m::L				MODIS	T	Isrre, Muller	2015	¥	15%:: 5 - 8%	1/day, 1/wk	1 km :: G,R	N/A :: Sfc	
Third Ani Weich 3627 BM 1/(16 day) 90 m.: L		Cloud Lyop Size-distribution	<u> </u>						20% :: 20%	11day	10 tm :: G	0-15 km :: Cloud	,
Cloud Lee Content 1785				ASIEK		Welch	3627	M.		1/(16 day)	90 m :: L	N/A :: Cloud	_
Cloud Lee Content 1785				HIRIS		Welch	1776	₹	20%:: 10%	1/(2-16 day)	30 m :: L	:: Cloud	_
ARS PM Sactin 1891 BM TBD:: TBD 2lday [d.fn] 50 km::G		Cloud Ice Content	1785						0.02 :: 0.02	Ilday	10 km :: Ocean	NIA :: Cloud	_
MODIS AM.PM King, Menzel 1764 AM- 90% Conf :: 90% Conf 1/day 5 km :: G			_ i_	AIRS		Sactin	1893	BM	TBD:: TBD	2/day [d,n]	50 km :: G	N/A :: Cloud	-
Cloud Liq_water Total Column 1919 MIMR PM TBD 3598 BM 0.05 :: 0.05 1/6 hr) 1.23 x 1.25 dg :: G 22 km :: Ocean			_1_	+	٦,	King, Menzel	176	Ϋ́	90% Conf :: 90% Conf	1/day	5 km :: G	N/A :: Cloud	_
Cloud Lig_water I dat Colling 1919 MIMR PM TBD 3598 BM 0.05::0.05 IIday 10 km :: Ocean 22 km :: Ocean 22 km :: Ocean 22 km :: Ocean 22 km :: Ocean 22 km :: Ocean 22 km :: Ocean			39	+	TRM,AM,PM	Barkstrom	1769	AM-	90% Conf :: 90% Conf	1/(6 hr.)	1.25 x 1.25 dg :: G	N/A :: Atmos	
PM TBD 3598 BM 22 km:: Ocean		Cloud Liq_water Total Column	6/6/						0.05 :: 0.05	llday	10 km :: Ocean	Column :: Trop	
				MIMR		IBD	3598	BM			22 km :: Ocean	N/A :: Trop	

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Appendix L: 1DS Input Requirements and Match Products by IDS Investigator

		_	2	ECS Instrument Cutput Data Product		-					
Investigator	Product Name	Prod #	Instr.	Platforms	Investigator Prod # Match	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Hartmann	Cloud Lig water Total Column	6161	CERES	TRMAMPM	Barkstrom	1895	ΑĀ	75% :: 10%	1/(6 hz)	1.25 x 1.25 dg :: G	lyr :: Atmos
Hartmann	Cloud Optical Depth	2306						25% :: 0.25	1/day	10 km :: Ocean	N/A :: Cloud
		4	MODIS	AM.PM	King	1162	BM	20% :: 10%	1/day [d]	5 km :: G	N/A :: Cloud
		•	CERES	Σ	Barkstrom	2318	₩Y	25%:: 5%	1/(6 hz)	1.25 dg :: G	N/A :: Atmos
		•	GLRS-A	ALT	Spinhime	2300	AM	20% ::	1/(2-16 day)	1-100 km :: G	
Hartmann	Humidity Profile	1814						10%::10%	11day	10 km :: G	I km :: 0-15 km
			AIRS	PM	Chedin, Fleming,	1828	ВМ	10%:: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
Hartmann	Precipitation Amount	1661						01 :: 01	11day	10 km :: Ocean	N/A :: Trop
	•		AIRS	Md	Susskind	•6961	BM	2mm/day :: 1mm/day	2/day [d,n]	50 km :: G	N/A :: Trop
		•	AIRS		Staclin	3694	₹	2mm/hr :: Imm/hr	2/day [d,n]	50 km :: G	N/A :: Trop
		•	MIMR		TBD	3600	₹			22 km :: Global	N/A :: Sfc
Hartmann	Radiative Flux 1.W	2188						5% :: 2%	11day	<30 km :: Ocean	NIA :: Sfc
			AIRS	PM	Gautier	2177	Æ	<10:: TBD	1/day	50 km :: Ocean	N/A :: Sfc
			CERES	TRMAMPM	Barkstrom	2182	¥	5 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRMAMPM	Barkstrom	2203	¥	5 W/m^2 :: <5 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
Hartmann	Radiative Flux. LW	2/90						5%::2%	I/day	<30 km :: Ocean	NIA :: TOA
			CERES	TRM,AM,PM	Barkstrom	2205	BM	5 W/m^2 :: 2 W/m^2	6/day [d,n]	25 km :: G	N/A :: TOA
Harimonn	Radiative Flux SW	2213						0.5% :: 0.5%	I/day	20 km :: G	NIA :: TOA
		}	CERES	TRMAMPM	Barkstrom	รัส	BM	7 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: TOA
No.	Dodiction Flor CW	27.14						0.5% :: 0.5%	I/day	20 km :: G	NIA :: Sfc
וומי ושמעוו	Additive Files, 57		AIRS	M	Gautier	2232•	BM	<15∷ <5	1/day	S0 km :: Land	N/A :: Sfc
			AIRS	M	Gautier	2233	BM	<10:: <5	1/day	50 km :: Occan	N/A :: Sfc
			CERES	TRMAMPM	Barkstrom	2230	₩	10 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM,PM	Barkstrom	1231	₩	15 W/m^2 :: 2 W/m^2	1/(6 hz)	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM,AM,PM	Barkstrom	2229	ΑM	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 x 1.25 dg :: G	N/A :: Sfc
Натітопи	Sea sfc Temperature (SST)	2513						0.5 K :: 0.5 K	IIday	10 кт :: Осеан	NIA :: Sfc
			MODIS	MA,PM	Brown	2529	BM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	4 km :: Ocean/R.L.	N/A :: Sfc
			MODIS	AM,PM	Brown, Barton	2530	BM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	4 km :: Ocean/R,L	N/A :: Sfc
			MODIS	AM,PM	Brown	7222	ΑM	0.3-0.5 K :: 0.1-0.3 K	1/day, 1/wk, 1/mo	1 km :: Ocean/L	N/A :: Sfc
			MODIS	AM,PM	Brown	2528	AM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A:: Sfc
Hartman	Temperature Profile	1575						1::1	11day	10 km :: Осеан	1 km :: 0-15 km
			AIRS	M	Chedin, Fleming,	1588	BM	1.0 K :: 0.4 K	2/day [d.n]	15 x 50 - 50 x 50 km :: G	1,2 km :: Atmos
			TES	CHEM	Bear	1614	ΨV	:: 2 K	1/(16 day)	16 x 5 km :: G	1 km, 4-6 km :: 0-12 km
Hartmann	Wind Velocity, Sea sfc	1664						2 m/s :: 2 m/s	1/day	50 km :: Ocean	NIA :: Sfc
		_	STIKSCAT	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
			STIKSCAT	CHEM	Freilich	1679	ΑM	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near_Sfc
/sacks	Aerosol Layer Boundary Height	1015						75 m ∷	llevent, limo	2 km :: LandiR	75 m :: Atmos
	,		GLRS-A	ALT	Spinhime et al	1014	BM	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Atmos
Isacks	Agrosol Mass Loading	1016						30% :: 10%	IIwk	1-10 km :: LandIR	NIA :: Atmos
			MODIS	AM,PM	Kaufman, Tarre	1017	BM	30% :: 10%	1/day,1/mo	0.5 dg :: G.R	N/A :: Atmos
/sacht	Aerosol Size-distribution	1024						:: 20%	11wk	2-15 km ::	Column :: Atmos
			MISR	W	Diner	1994*	BM	15%:: 10%	1/(5-16 day)	1.9 km :: R	Column :: Atmos
			MISR	Ą	Dina	1993	ΨW	15% :: 10%	1/(5-16 day) [d]	15.4 km :: G	Column :: Atmos
			MISR	ΨV	Dina	3678	νw	15% :: 10%	9,16 day; mo; seas; yr	15.4 km ? :: G	Column :: Atmos
			MODIS	AM,PM	Tarre, Kaufman	1022	ΨV	10-30% :: 10%	1/day,1/mo	0.5 dg :: G,R	N/A:: Atmos
Prache	Albedo Land sfc	8661						.: 3%	IIwk	250 m :: LandiR	NIA :: Sfc
2			MISR	ΨV	Diner	2021	BM	<=0.03:: 0.01	1/(5-16 day) [d]	240 m :: R	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Prof # Inst. Prof # Inst. Prod		Inc I - A D-A- D-A		6				ļ				
Charle Lang # 1998 MAN Market Lang # 1895 MAN Investigator	Destruct Name Product	1	23	S Instrumen	Output Data	Product		Accuracy	Temporal	Horizontal	Vertical	
Cond. Creek Page MODIS ANALY Trees, Mark 2015 ANALY Trees, Mark ANALY Trees, Mark ANALY mingaria.	r rounce in the	# BOLL	Instr.	Platforms		# poud	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.	
MODIS ALVAIN Males Senior 1969 1695	I sacks	Albedo, Land Stc	86/	MODIS	AM,PM	Tarre, Muller	2015	₹	15% :: 5 - 8%	1/day, 1/wk	1 km :: G,R	N/A :: Sfc
Cond Cover NADISA AMADA Rings AMADA Ministration State Final 1 (by) 2				MODIS	AM,PM	Muller, Strahler, 1	3665	₹	5%:: 3%	/ksp/1	1 km :: Land/R	N/A :: Sfc
Delaiding Flowed Stration 2005 AMADIN Ring 2019 Delaiding Flowed Stration 2005 AMADIN Ring 2019 Delaiding Flowed Stration 2005 AMADIN Ring 2019 AMADIN Stration 2019 A				MODIS	AM,PM	Muller, Strahler, 1	3666	VΨ	5%:: 3%	1/day	1 km :: Lend/R	N/A :: Sfc
Colore C	Isacks	Cloud Cover	2053							I/wk	S ton :: Land/R	NIA :: Cloud
Drieding Nature 2010 CTRESS THANALM Bactone 2010 AM Str.			MODIS	AM,PM	King	2081	BM	10% :: 5%	2/day [d,n], 1/mo	S km :: G	N/A :: Cloud	
Thirding Florate Province				CERES	TRM,AM,PM	Barkstrom	2086	νW	5%:: 2%	(day [d,n]	25 km :: G	N/A :: Atmos
Third AVID Color Contact 1913 AVID Color Contact 1913 AVID Color Contact 1913 AVID Color Contact 1913 AVID Color C	Isacks	Drainage_Network Structure	2902							Ilmission, Ilyr	15-30 m :: Land/R	NIA :: Sfc
Gloid Cont. 1723 ANTR ANTR Mate, 507 20 AM 58 - 25 AM 58 - 25 AM 14 - 25 AM				HIRIS	AM2	Kieffer, Clark	2884	AM.	:: 30%		30 m :: L	N/A :: Sfc
				ASTER	AMI	Kahle, JGI	2828	Ϋ́	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc
HIRSS AAAZ Kieffre 2015 AAA 185,0549 194,17m0 50 m. Clisiert, 11 m. Main, 12 M. Main	/sacks	Glacier Cover	2923						5% :: 2%	l/seas	10-30 m :: Land/L	NIA :: Sfc
Intentity Profit Italy Alia Alia Alia Italy				HIRIS	AM2	Dozier	2922	BM	5% :: 2%	1/wk, 1/mo	50 m :: Glacier/L	N/A:: Sfc
Handley Profile Hall Handley Hall Handley Hall Handley Profile Handl				HIRIS	AM2	Kieffa	2895	¥	1%::0.2%	1/31	30 m :: Glacier/L	N/A :: Sfc
Table Part	/sacks	Humidity Profile	1815						10% :: 0.05	I/wk	50 km :: LandIR	2 km :: Trop
Ite Shet Ernation 1783 CTEM Bear 184				AIRS	PM	Chedin, Fleming,	1828	BM	10%:: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
Load_Elemento 1995 ASTERN ALT Caulty 291 AN 100 :: 100 1.5 m 100 :: Load_Cyo 1.5 m 1.5				TES	CHEM	Beer	1844	₩	:: 50 ppm	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
Clark	Isacks	Ice Sheet Elevation	2908						0.1 ::	2/7	10 m :: Land/Cyro	N/A ·· Sfc
Lond_gt Enerol			1	GLRS-A		Bentley	2912	BM	100 mm :: 100 mm	1/mo	75 m :: Land/Cryo	N/A :: Sfc
Lond 9f Enionish Spectral 125 ASTER AMI TBD 843 BM TBD:TBD BD:TBD TBD TBD TBD TBD TBD TBD TBD				ALT		Zwally	1162	ξ	.5m-5m	1/yr	15 km :: Land/Crvo	N/A :: Sfc
Lond 96 Emissivity, Special 123	Isacks	Lake Extent	3059						::		15-30 m :: Land!	N/A S.C.
Land_g6 Emissivity, Spectral 1155				ASTER	AMI	TBD	3633	BM	TBD:: TBD	TBD	TBD:: Land/TBD	TRD TRD
MODIS AMJP Wan Kahis, Bester, St. 2179 BM N/A.::N/A 1/0.516 day) VOIT.::Land/R	/sacks	Land sfc Emissivity, Spectral	2125							*//	15.90 m ! and!!	N/A S.C.
MODIS AMP Wan 3322 AM 0.05 :: 0.02 1.05 1.			-	ASTER	νWI	Kahle, Becker, So	2129	BM	N/A :: N/A	1//0 \$-16 day)	1 @/ Pro 1 U 00	2/5 :: 2/M
Lond gt Roughass 1533 AATTER AMI Kales, JOT 2228 BM 2.5 m; 2.5 m Innission, Ilmo 30 m; Landfill.				MODIS	AM,PM	Wen	3323•	¥	0.05 :: 0.02	1 day, 1 wk	I km :: Land/R	N/A :: Sfe
Land_of Temperature, Size Avii Kabie, JGG 2828 BM SSO m::-SO m Inhistion 15 m::Land/RL	/sacks	Land sty Roughness	1553					000000000000000000000000000000000000000	2 cm :: I cm	Ilmission, Ilmo	30 m I and!!	NIA S.C.
Lond git Temperature, Star 2497 MODIS AMJAN Win				ASTER	AMI	Kahle, JGI	2828	EM EM	>50m::>30m	1/mission	15 m :: Land/R.1.	30 m Sfe
MODIS AALPA Win 2454 BM 1 C :: 1 C 1/day, 1/ak 1 fm: Landing	/sacks	Land sfc Temperature, Skin	2496						1.31	dial.	, t	30 316
Lond sfe Temperature, Sizin ATER AMI Kahle, Bocker, Cl. 2483 BM 1-6 K :: 0.3 K 1/(2-16 day) 90 m:: Land R 1-0 m: Land R 1-				MODIS	AM.PM	Wan	24.84	Z	10.11	May 1 Aut	I KM :: Landik	NIA :: SJC
Landform Feature Discribution 2851	learte	I and ale Townsontone Chin	2007						,,,,,	1/42), 1/4K	I KUN :: LAMOVK	N/A :: SIC
Landorm Feature Distribution 2851 ASTER AMI Gillespie, Rowan, 2852 BM 1-0 K:0.15 K 1/42-16 day) 90 m: Landorm 1 mission 15.10 m: Landorm 1 mission 1 mis	2	בישות שלר ז בישיבי מוש כי אותו	/ /	ACTED	41/1	2	98	2	1-6::0.3	I/wk	90 m :: Land/L	NIA :: Sfc
Langon Fedire Distribution 2018 2838 BM 100-500mm; 1/mistion 13-30 m; Land B 10-10-10-10-10-11-1-1-1-1-1-1-1-1-1-1-1				ASIEK	AMI	Kanie, Becker, C	- 1	PW W	1-6 K :: 0.3 K	1/(2-16 day)	90 m :: Land	N/A:: Sfc
Citicopie Robin	/sacks	Landorm Feature Distribution	782/							Ilmission	15-30 m :: Land/R	NIA :: Sfc
HIRLS			-1	GLRS-A	ALT	Schutz et al	2858	MA M	100-500тт ::	1/wk, 1/yr	0.1-10 km :: Land	100-500 mm :: Sfc
Landform Scarp-fault Elevation 2869				ASTER	AMI	Gillespie, Rowan	2883	E E	variable :: variable	50/mission	90 m :: Land/R,L	
Landform Scap-fault Elevation 2869 ASTER AMI Kahle, JGI 2828 AM >50 m::> >0 m Imission 15 m::Land/IL Mineral Conc, Rock-Soil 2778 ASTER AMI Kahle, JGI 2828 AM >50 m::> >0 m Imission 15 m::Land/IL Mineral Conc, Rock-Soil 2778 AMI Rowen, Clark 2773 AM >50 m::> >0 m 15 m::Land/IL HIRLS AM2 Rowen, Clark 2773 AM 10%::5% 15 seas 30 m::Land/IL HIRLS AM2 Rowen, Clark 2773 AM 10%::5% 1/seas 30 m::Land/IL HRUS AM2 Rowen, Clark 2774 AM 10%::5% 1/seas 30 m::Land/IL HRUS AM2 Rowen, Clark 2774 AM 10%::5% 1/seas 30 m::Land/IL ASTER AM1 Gillespic, Rowen, Clark 2774 AM variable::variable 50 m::Land/IL ASTER AM1 Gillespic, Rowen, Clark 278 AM variable::vari			_1_	HIKE	AM2	Kieffer, Clark	7887	BM	:: 30%		30 m :: L	N/A:: Sfc
Minecal Conc., Rock-Soil 2778				ASIEK	AMI	Kahle, JGI	2828	Ą	>50 m :: >30 m	1/mission	15 m :: Land/R L	30 m :: Sfc
Mive al Conc. Rock-Soil ASTER AMI Kahle, JGI 2828 AM >50 m.: >30 m.: Land/R.L. 15 m.: Land/R.L. Mive al Conc. Rock Soil 2778 AMI Rowan, Clark 2773 BM 10%:: 5% 15 scenes/yr 15.30,90 m.: Land/R.L. HIRIS AMZ Rowan, Clark 2772 AM 10%:: 5% 1/kess 30 m.: Land/L. HIRIS AMZ Rowan, Clark 2776 AM 10%:: 5% 1/kess 30 m.: Land/L. HIRIS AMZ Rowan, Clark 2776 AM 10%:: 5% 1/kess 30 m.: Land/L. HIRIS AMZ Rowan, Clark 2776 AM 10%:: 5% 1/kess 30 m.: Land/L. ASTER AMI Gillespie, Rowan, Clark 2778 AM variable:: variable 50/mission 90 m.: Land/R.L. ASTER AMI Gillespie 2801 AM variable:: variable 50 scenes/mission 15.30.90 m.: Land/R.L. ASTER AMI Gillespie 2801 AM variable:: variable		Landorm Scarp-fault Elevation	7869	ļ					10 ст :: 5 ст	Ilmission	[2-D sect.] :: Land/L	NIA :: Sfc
Mineral Conc, Rock-Soil 2778 AMI Rowan, Kable, Gil. 2773 BM 10%::5% 15 scenes/yr 15.30 pm:: Land/II. 15.30 pm:: Land/II. HIRIS AMZ Rowan, Clark 2772 AM 10%::5% 1/seas 30 m:: Land/II. 30 m:: Land/II. HIRIS AMZ Rowan, Clark 2772 AM 10%::5% 1/seas 30 m:: Land/II. HIRIS AMZ Rowan, Clark 2776 AM 10%::5% 1/seas 30 m:: Land/II. HIRIS AMZ Rowan, Clark 2776 AM 10%::5% 1/seas 30 m:: Land/II. HIRIS AMZ Rowan, Clark 278 AM 1/seas 30 m:: Land/II. ASTER AMI Gillespie, Rowan, Clark 278 AM variable:: variable 50 m:: Land/II. ASTER AMI Gillespie 2801 AM variable:: variable 50 scenes/mission 15,30,90 m:: Land/R.L. Opikal Dayli, Total 2326 AM 21/5%:: 1-10% 1/day [d] 40 km:: G				ASTER	AMI	Kahle, JGI	2828	¥	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc
ASTER AM1 Rowan, Clark 2766 AM 10% :: 5% 1/seas 30 m :: Land/ft.		Mineral Conc, Rock-Soil	2778							Ilmission, Ilmo	15-30 m :: Land/L	NIA :: Sfc
HIRIS AM2 Rowan, Clark 2776 AM 10% :: 5% 1/eass 30 m :: Land/L				ASTER	AMI	Rowan, Kahle, Gil	2773	æ	10%:: 5%	15 scenes/yr	15,30,90 m :: Land/R,L	N/A :: Sfc
HIRIS AMZ Rowan, Clark 2772 AM 10% :: 5% 1/eass 30 m :: Land/L				HIRIS	AM2	Rowen, Clark	2766	₹	10%:: 5%	1/seas	30 m :: Land/L	N/A :: Sfc
HIRIS AM2 Rowan, Clark 2776 AM 10% :: 5% 1/eass 30 m :: Land/L.				HIRIS	AM2	Rowen, Clark	2772	₹	10%:: 5%	1/seas	30 m :: Land/L	N/A:: Sfc
HIRIS AMZ Rowan, Clark 2784 AM 10%::5% 1/eass 30 m::Land/L. ASTER AMI Gillespie, Rowan, 2817* AM variable::variable 50/mission 90 m::Land/R.L. 15,30,90 m::Land/R.L. 15,30,90 m::Land/R.L. ASTER AMI Gillespie 2801 AM variable::variable 50 scenes/mission 15 m::Land/R.L. 15,30,90 m::Land/R.L. ASTER AMI Gillespie 2801 AM 5-15%::1-10% 1/wk 10-50 km::Land/R.L. 10-50 km::Land/R.L. ASTER AMI Gillespie 2801 AM 20%::10-76 1/wk 10-50 km::Land/R.L. ASTER AMI Gillespie 2801 AM 20%::10-76 1/wk 10-50 km::Land/R.L. ASTER AMI Gillespie 2801 AM 20%::10-76 1/wk 10-50 km::Land/R.L. ASTER AMI Gillespie 2801 AM 20%::10-76 1/wk 10-50 km::Land/R.L. ASTER AMI Gillespie 2801 AM 20%::10-76 1/wk 10-50 km::G				HIRIS	AM2	Rowan, Clark	2776	₹	10%:: 5%	1/seas	30 m :: Land/L	N/A :: Sfc
ASTER AMI Gillespie, Rowan, 2817* AM variable 50/mission 90 m::Land/R.L.				HIRIS	AM2	Rowan, Clark	2784	¥	10%:: 5%	1/seas	30 m :: Land/L	N/A :: Sfc
ASTER AMI Peri, Kahle 3298 AM variable :: variable 15,30,90 m :: Land/R.L. Opical Depth, Total 2326 ASTER AMI Gillespie 2801 AM 5-15% :: 1-10% 1/wt 15 m :: Land/R.L. Opical Depth, Total 2326 EOSP AERO-AM2 Travis 2313 BM 20% :: 10% 1/day [d] 40 km :: G				ASTER	W	Gillespie, Rowan	2817	¥	variable :: variable	50/mission	90 m :: Land/R,L	N/A:: Sfc
Optical Depth, Total 2326 ASI EK AMI Gillespie 2801 AM 5-15% :: 1-10% I/wk 10-50 km :: Land/R,				ASTER		Pieri, Kahle	3298	₹	variable :: variable		15,30,90 m :: Land/R,L	:: N/A ::
Opitical Depth, Total 2326 EOSP AERO,AM2 Travis 2313 BM 20%:: 10% 1/day [d] 40 km:: G				ASIEK		Gillespie	2801	₹		50 scenes/mission	15 m :: Land/R,L	N/A :: Sfc
AERO,AM2 Travis 2313 BM 20%:: 10% 1/day d 40 km:: G		Optical Depth, Total	2326		3				5-15% :: 1-10%	IIwk	10-50 km :: Land/R	Column :: Atmos
				EOSP	9	Travis	2313	BM	20%:: 10%	1/day [d]	40 km :: G	Column :: Cloud

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

		Ì									
Invactiontor	December 10 Product	Decod #	Inct	EOS Instrument	Investigator Dred #	Product	Motch	Accuracy Abs Dol	Pecolution	Resol Cover	Vertical Resol ·· Cover
rigaro	בו מחרר וישוונ	*	1113411.	- 1	Sugaro	*	ואזשורוו	AUS NCI	NESOURCE	Neson .: Cover.	Mesol .: Corel:
/sacks	Optical Depth, Total	2326	MODIS	- 1	King	311	Æ	20% :: 10%	1/day [d]	S km :: G	N/A :: Cloud
			EOSP	AERO,AM2	Travis	7227	BM	0.2 :: 10%	1/day [d]	40 km :: G	Column :: Atmos
			MISR	W	Dina	2298•	BM	0.05/10% :: 0.05/10%	1/(5-16 day) [d]	1.92 km :: R	Column :: Atmos
			GLRS-A	ALT	Spinhime et al	1677	AM	20% ::	1/(2-16 day)	2-200 km :: G	N/A :: Atmos
			MODIS	AM,PM	Kaufman, Tarre	2293	ΑM	0.1 :: 0.05	1/day, 1/mo	0.5 dg :: Land	N/A :: Atmos
Isacks	Precipitation Amount	1932							I/wk	5-50 km :: LandIR	NIA :: Sfc
	•		AIRS	M	Susskind	•6961	BM	Zmm/day :: Imm/day	2/day [d,n]	50 km :: G	N/A :: Trop
			AIRS	M	Staelin	3694	Æ	2mm/hr :: 1mm/hr	2/day [d,n]	50 km :: G	N/A :: Trop
Isacks	Precipitation Rate	1933							Hevent, Ilmo	5-50 km :: Land/R	NIA :: Sfc
		4,	MIMR	PM	TBD	3600	BM			22 km :: Global	N/A :: Sfc
		.	MIMR	PM	TBD	1096	-WV		l mo	1 dg :: Global	N/A :: Sfc
Isacks	Rive Channel Patters	2982								15-30 m :: LandiL	NIA :: Sfc
		4	HIRIS	AM2	Kieffer, Clark	2884	¥	:: 30%		30m::L	N/A :: Sfc
Isacks	Snow Cover	3010						5%::2%	I/mo	I km :: LandIR	NIA :: Sfc
			MODIS	MA,MA	Salomonson	3021	æ	<=5%:: <=5%	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc
Isache	Saow Cover	3011						5% :: 2%	l/seas	15-30 m :: Landl	N/A :: Sfc
			ASTER	IMA	TBD	3634	Æ	TBD:: TBD	CBT	TBD :: Land/TBD	TBD :: TBD
		•	HIRIS	AM2	Dozier	3019	BM	5% :: 2%	1/wk, 1/mo	50 m :: Cryo/L	N/A :: Sfc
leache	Temperature Profile	1576						1::0.4	I/wk	50 km :: Land/R	I km :: Trop
			AIRS	M	Oedin. Flemine	1588	BM	1.0 K :: 0.4 K	2/day [d.n.]	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos
		•	TES	CHEM	Bed	↓	¥	:: 2 K	1/(16 day)	16 x 5 km :: G	1 km, 4-6 km :: 0-12 km
Teache	Tourseashir Elemeira I and of (DEM)	2823						30 10	I/mission	20 m :: Landil.	N/A :: Sfc
2	والمرق طرس ومدوسون وسيد ماده الرسية		ASTER	AMI	Kahle, JGI	2828	BM	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc
learbe	Toposzaphic Flowting Land efc (DFM)	2,8 2,8						:: 120	l/mission	720 m :: LandiR	NIA :: Sfc
			MISR	ΨV	Ding	2846•	BM	100 m :: 100 m	1/mission	500 m :: Land	N/A :: Sfc
			ASTER	AMI	Kahle, JGI	2828	AM	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc
Isacks	Topographic Elevation, Land sfc. (DEM)	2839						100 т :: 50 т	Ilmission.	50 m :: Land/R	N/A :: S/c
			ASTER	AMI	Kahle, JGI	2828	BM	>50 m :: >30 m	1/mission	15 m :: Land/R.L	30 m :: Sfc
Isacks	Topographic Elevation, Land sfc, Control, (.	2837						Im::Im	Ilmission	point :: Land/L	NIA :: Sfe
			ASTER	AMI	Kahle, JGI	2828	BM	>50 m :: >30 m	1/mission	15 m :: Land/R.L	30 m :: Sfc
/sacks	Vegetation Biomass, Green	2617						40% :: 15%	Ilmo	30 m :: Land/L	NIA :: Sfc
	•		HIRIS	AM2	Ustin, Wessman	2620	BM	30% :: 15%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
Isacks	Vegetation Extent	57.19							l/seas	I km :: Land/R	NIA :: Sfc
			MODIS	AM,PM	Strahler, Huete et		BM	10% :: 5%	1/mo, 1/scas	1 km :: Land	N/A :: Sfc
			MODIS	MGMA	Justice, Huete et 1		AM	0.01 :: 0.01	1/day, 1/wk, 1/mo	l km :: Land/R	N/A :: Sfc
			MODIS	MA,MA	Justice, Hucte et	2750	ΑM	0.01 :: 0.01	1/day, 1/wk, 1/mo	0.5 km :: Land/R	N/A :: Sfc
Isacks	Vegetation Index	2743						1::1	I/mo	240-500 m :: Land/R	NIA :: Sfc
	1		MISR	WV	Diner	2757	BM	2% :: 2%	1/(S-16 day) [d]	240 m :: Land/R	N/A :: Sfc
			MODIS	MďWY	Justice, Huste et	2750	W	0.01 :: 0.01	1/day, 1/wk, 1/mo	0.5 km :: Land/R	N/A :: Sfc
			HIRIS	AM2	Ustin et al	2746	ΨV	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			ASTER	AMI	Gillespie	2747*	ΑM			15 m :: Land/R,L	N/A :: Sfc
/sacks	Vegetation Index	2744						1::05	I/mo	30-60 m :: Land/L	NIA :: Sfc
	•		ASTER	AMI	Gillespie	2747*	BM			15 m :: Land/R,L	N/A :: Sfc
,			HIRIS	AM2	Ustin et al	2746	WV	20% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Isacks	Vegetation Type	2732							I/seas	I bm :: LandiR	NIA :: Sfc
	;		MODIS	AM,PM	Strahler, Huete et	1 2669	BM	10% :: 5%	1/mo, 1/scas	1 km :: Land	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Investigator Product Name Ker. Seroashian Aerasol Conc Ker. Seroashian Albedo. Cloud	7 7			THE PERSON NAMED IN				-			
Ker, Soroashian Aerosol Conc Ker, Soroashian Albedo, Cloud	# 202	Instr.	Platforms	Platforms Investigator Prod #	Prod # Match	Match	Accuracy Abs :: Rel	Resolution	Horizontal Resol :: Cover	Vertical	
Ker. Sorocahian Albedo. Claud	1001						59: . 59:	1/400	25 br Load	2 Land	T
Kerr. Sorooshian Albedo. Cloud		SAGE-III	AERO, CHEM	McCormick	1012	AM.	5%:: 5%	1/(2 min), 30/day	2x <1 de :: G	1 km : 0.40 km	Т
I Kerr. Socooshian Albedo. Cloud		HIRDLS	CHEM	Barnett, Gille	1992	AM.	5-10% :: 1-10%	2/day [d,n]	4×4dg:: G	1 km :: 7-30 km	Т
	2006						5% .: 5%	11110	500 m :: LandiR	:: Cloud	Т
		HIRLS		Welch	2008	ΨV	5%:: 5%		90m::R	:: Cloud	T
		MISR	WV	Diner	2038•	ΑM	3%:: 1%	[variable] [d]	240 m :: R	N/A :: Trop	Ī
Kerr, Sorooshum Albedo, Land sfc	2014						10% :: 10%	IIwk	500 m :: Land	NIA :: Sfc	Т
		MISR		Diner	2021•	BM	<=0.03 :: 0.01	1/(5-16 day) [d]	240 m :: R	N/A :: Sfc	Ī
		MODIS	П	Tarre, Muller	2015	ΨV	15%:: 5 - 8%	1/day, 1/wk	1 km :: G,R	N/A :: Sfc	Ī
		MODIS		Muller, Strahler, 7	3665	AM	5%:: 3%	1/day	1 km :: Land/R	N/A :: Sfc	
		MODIS	AM,PM	Muller, Strahler, 1	3999	₩	5% :: 3%	1/day	1 km :: Land/R	N/A :: Sfc	Г
Kett, Sorooshian Albedo, Planetary Spectral, TOA	5000						10% :: 10%	II day	25 km :: LandiR	:: TOA	Г
		MISR		Diner	2011	₩.	<=0.03 :: 0.01	1/(5-16 day) [d]	1.92 km :: G	N/A:: TOA	Τ
		MODIS	AM,PM	Muller, Strahler	2001	AM	10%:: 5%	1/(3-8 day)	1 km :: Land/R	N/A:: TOA	
Kerr, Soroashian CO2 Conc	1140						15%:: 15%	11day	50 km :: G	I km :: Atmos	Т
		TES	CHEM	Beer	3637	BM		1/(16 day)	16 x 5 km :: L		Т
Kerr, Sorooshian Cloud Cover	2075						5%::5%	11day	10 km :: LandiR	N/A :: Cloud	Τ
		MODIS	V	King	1802	BM	10%:: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud	Т
		GLRS-A		Spinhime	2078	AM	1%::	1/(2-16 day)	10-200 km :: G	:: W/N	Т
		ASTER		Welch	2080	₩	3%::3%	1/(16 day)	90 m :: L	N/A :: Cloud	Ī
		HIRIS	AM2	Welch	2079	ΑM	1%:: 0.5%	1/(1-3 min), 1/(2-16 day)	30 m :: L	:: Cloud	1
Kerr, Sorooshian Cloud Height, Base	1385						200m :: 200m	11/1/2	I bm :: Land	100 mb :: Trop	Т
		GLRS-A	ALT	Spinhime et al	1389	BM	75m::	1/(2-16 day)	.2-100 km :: G	75 m :: Cloud	Τ
		CERES	M	Barkstrom	1393	BM	1.0 km :: 0.1 km	6/day [d,n]	25 km :: G	0.1 km :: Atmos	
		HIRIS		Welch	1390	AM	50 m :: 50 m	1/(2-16 day)	30m:L	N/A :: Cloud	ĺ
		ASTER	AMI	Welch	1391	ΨV	100 m :: 100 m	1/(16 day)	100 m :: L	N/A :: Cloud	
Kerr, Sorooshian Cloud Height, Top	1417						:: 0.5 km	IIIv	I km :: LandiR	:: Cloud	Г
		MODIS	5	Menzel	1528	BM	50 mb :: 20 mb	2/day	5 km :: G	N/A :: Cloud	
		MISR		Diner	1433•	BM	100 m :: 100 m	1/(5-16 day) [d]	500 т :: В	N/A :: Trop	
		GLKS-A		Spinhime et al	1425	₹	75 m ::	1/(2-16 day)	200 m :: G	75 m :: Cloud	
		MUSK	WA S	Diner Welsk Care	1432	¥ :	<1000m::<1000m	1/(5-16 day) [d]	5 km :: G	N/A :: Trop	7
Korr Cornelina Cloud In water Contact	382	CIVIII		weich, Goetz	07'5	Į Į	300 m :: 250 m	1/(2-16 day)	30m::L	N/A :: Cloud	Т
	R	ASTER	AMI	Welch	3638	20		1016 400	30 m :: LandrR	:: Cloud	\neg
	•	HIRIS		Welch	2281	NA NA	104 104.	(Am 01)/1	7::E0X	N/A :: Cloud	Т
Kerr, Sorooshian Cloud Temperature, Top	2462						5%5%	1/1/2	\$00 m I and/P	Cloud	Т
		ASTER	AMI	Welch	2465	BM	2K::2K	1/(16 day)	90 m : L	N/A :: Cloud	Т
		MODIS	AM,PM	Menzel	2467	BM	2C::1C	2/day	5 km :: G	N/A :: Cloud	Τ
Kerr, Sorooshian Humidity Profile	1816						10% ∷ 10%	2/day	50 km :: Land	I km :: Atmos	Т
		AIRS	M	Chedin, Fleming.	1828	BM	10%:: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos	
Kerr, Sorooshian Land Thermal Inertia	2541						₩00:::800	11(16 day)	60 m :: LandIR	NIA :: Sfe	Г
		ASTER	VMI	Kieffa a sl	2842	M	40% :: 20%		90 m :: Land/R,L	N/A :: Sfc	
Kerr, Sorooshuan Land ste Emissivity	2/23						0.05 :: 0.05	liye	90 m :: LandiR	NIA :: Sfc	
	1	ASIEK	AMI	Kahle, Bocker, C	21.24	BM BM	0.05-0.1 :: 0.005	1/(0.5-16 day)	90 m :: L	N/A :: Sfc	7
herr, sorooshuan Lana siga kaj iadianae, Diradional	9747	01411					3% :: 5%	II(2 mo)	30 m :: LandIR	:: S/c	
		ACTED		Slater	2432	M S	3%:: 1%	1/mo	30 m :: Land/R,L	N/A :: Sfc	\neg
		ASIER	AMI	Sister	2433	EM EM	4% :: 0.5-1.3	3/yr	15,30 m :: Land/R,L	N/A :: Sfc	٦

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

											
Prod # Inistr. Platforms Investigator Prod # March 1349 MIRIS AM2 Gerat 2632 AM MIRIS AM2 Gerat 2632 AM MIRIS AM4 Tene, Muller 1557* BM MODIS AM4 Muller, Tame 3670* BM MODIS AM4 Muller, Tame 2370* BM MODIS AM4 Muller, Tame 2371* BM MODIS AM4 Muller, Tame 2373* BM MODIS AM4 Muller, Tame 3273* BM MODIS AM4 Muller, Tame 3273* BM MODIS AM4 Muller, Tame 3273* BM MURR PM Sustind 3694* AM MURR PM Sustind 3694* AM MURR PM Sustind 2223* BM CERES TRMAMP Bartarom 2223* BM CERES TRMAMP Bartarom 2223* BM CERES TRMAMP Bartarom 2223* AM CERES TRMAMP Barta	IDS Input Data Product			S Instrument	Output Data I	roduct		Accuracy	Temporal	Horizontal	Vertical
1549 HIRIS AMP Direct 2632 AM	Product Name	Prod #	Instr.	- 1	ı	Frod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
1312 MODIS AM-PM Terre, Muller 1557* BM MODIS AM-PM Merzel 133* AM MODIS AM-PM Merzel 134* AM MODIS AM-PM Merzel 150* BM MODIS AM-PM Merzel 150* BM MINR PM Sastind 1969* BM MINR PM TBD 3600 BM MINR PM TBD 3600 BM MINR PM TBD 3600 BM MINR PM TBD 3600 BM CERES TRM-AM-PM Bartarom 2221 BM CERES TRM-AM-PM Bartarom 2221 BM CERES TRM-AM-PM Bartarom 2221 AM CERES TRM-AM-PM Bartarom 2221	Land sfc Reflectance. Directional	2428	HIRIS		Gerstl	2035	AM	5% :: 5%	1/(16 day)	30 m :: Land/L	N/A :: Sfc
1549 MODIS AM-PM Turre, Muller 1557° BM Muller, Taure 5570° BM Muller, Taure 5570° BM Muller, Taure 5570° BM MODIS AM-PM Turre, Muller 1555° BM MODIS AM-PM Merzel 1333 BM AM-PM Merzel 1334 AM MODIS AM-PM Merzel 1875 BM MODIS AM-PM Merzel 1534 AM MODIS AM-PM Merzel 1534 BM MODIS TRAAAM-PM Merter 1534 BM MODIS TRAAAM-PM Merter 1534 BM GERES TRAAAM-PM Merter 1534 BM GERES TRAAAM-PM Merter 1535 BM GERES TRAAAM-PM Merter 1535 AM Merter 1535 AM GERES TRAAAM-PM Merter 1535 AM GERES TRAAAM-PM Merter 1535 AM Merter 15			MISR		Diner	2632	ΑM	5% :: 2%	1/(5-16 day) [d]	240 m :: R	N/A :: Sfc
MODIS	Land sfc Roughness, Acrodynamic	1549						0.1 m :: 0.2 m	l/seas	25 km :: Land	NIA :: Sfc
MODIS AMPM Ture, Muller 1557 BM			MODIS		Taure, Muller	1557•	BM	15%:: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A :: Sfc
1512 MODIS AM-PM Tarre, Muller 1557 BM MODIS AM-PM Tarre, Muller 1556 BM MODIS AM-PM Tarre, Muller 1556 BM MODIS AM-PM Arrect 1333 BM AIRS PM Christian 1756 BM AIRS PM Christian 1756 BM AIRS AM-PM Mercet 1333 BM AIRS AM-PM Mercet 1334 AM MODIS AM-PM Mercet 1334 AM MODIS AM-PM Kaufmar, Tarre 2201 BM MODIS AM-PM Kaufmar, Tarre 1873 BM MODIS AM-PM Kaufmar, Tarre 1874 AM MODIS AM-PM Mercet 1873 BM MODIS AM-PM Mercet 1321 AM MODIS AM-PM Mercet 1321 AM MODIS AM-PM Mercet 1321 AM MODIS AM-PM Mercet 1874 AM MODIS AM-PM Mercet 1874 AM MODIS AM-PM Mercet 1504 BM MODIS AM-PM Mercet 1504 BM MINAR PM TBD 5600 BM MINAR PM TBD 5600 BM CERES TRM,AM-PM Barterom 2221 BM CERES TRM,AM-PM Barterom 2221 BM CERES TRM,AM-PM Barterom 2221 AM CERES TRM,AM-PM Barte			MODIS		Muller, Tanre	3670	ВМ	5% :: 3%	1/day	1 km :: Land/R	N/A:: Sfc
MODIS AM_PM Tarre, Muller 1557 BM MODIS AM_PM Tarre, Muller 1556 BM MODIS AM_PM Muller, Tarre 3500 BM 138	Land sfc Roughness, Geometric,	1552						0.1 ст :: 0.2 ст	211110	25 km :: Land	NIA :: S/c
MODIS AMPM Intre, Muller, Thure 350° BM MODIS AMPM Ture, Muller 155° BM MODIS AMPM Mercel 1335 BM MODIS AMPM Mercel 1334 AM MODIS AMPM Mercel 1875 BM MODIS AMPM Mercel 1524 BM MIRC MERCE TRMAMM Berterom 2221 BM CERES TRMAMM Berterom 210 AM CERES TRMAMM Berterom 220 AM CERES TRMAMM Berterom 2	1		MODIS	AM,PM	Taure, Muller	1557*	BM	15%:: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A :: Sfc
178 LIS TRM Christian 1756 BM 180			MODIS	AM,PM	Muller, Tanre	3670*	BM	5%:: 3%	1/day	1 km :: Land/R	N/A :: Sfc
138		•	MODIS	AM,PM	Tanre, Muller	1556	BM	15%:: 5 - 8%	1/day, 1/wk	1 km :: G,R	N/A :: Sfc
1306 MODIS AM_PM Mercel 1313 AM Mercel 1314 AM MoDIS AM_PM Mercel 1315 AM MODIS AM_PM Mercel 1874 BM MODIS AM_PM Mercel 1875 BM MODIS AM_PM Mercel 1875 BM MODIS AM_PM Mercel 1874 AM MODIS AM_PM Mercel 1874 BM MODIS AM_PM Mercel 1874 AM MODIS AM_PM Mercel 1874 BM MODIS AM_PM Mercel 1874 MD MODIS AM_PM Mercel 1874 AM_PM MODIS	Lightning Rate	1758						Inl	11(10 min)	I km :: Land	:: Trop
1308 MODIS AM_PM Merace 1333 BM	1	•	LIS	TRM	Christian	1756	BM	:: 5%		D :: gb 70.	N/A :: Atmos
MODIS PM Merzel 1332 BM	103 Total Burden	1308						5%.::5%	I/day	25 km :: G	Column :: Atmos
AIRS			MODIS		Menzel	1333	BM	15-20DU:: 10DU	2/day, 1/day	5 km :: G	Column :: Atmos
MODIS		•	AIRS	M	Chedin, Revercon	1332*	Æ	5 - 15% :: 3 - 10%	2/day [d,n]	50 km :: G	Column :: Atmos
MODIS			MODIS	M,PM	Menzel	1334	Æ	15-20DU:: 10DU	1/day, 1/mo	0.5 dg :: G	Column :: Atmos
MODIS	Optical Depth, Total	2325						10% :: 10%	11(S-16 day)	10 km :: LandIR	:: Atmos
MISR			MODIS	1	King	2311	ВМ	20% :: 10%	1/day [d]	5 km :: G	N/A :: Cloud
EOSP AERO,AM2 Travis 2313 AM			MISR		Diner	2298*	BM	0.05/10% :: 0.05/10%	1/(5-16 day) [d]	1.92 km :: R	Column :: Aunos
1865 AM Kaulman, Tarre 2293 AM 1865 AJRS PM Chedin, Fleming, 1869 BM MODIS AM.PM Kaulman, Tarre 1873 BM MODIS AM.PM Kaulman, Tarre 1874 AM MODIS AM.PM Suskind 1969* BM MODIS AM.PM Suskind 1969* BM MODIS AM.PM TBD 3600 BM MINR PM TBD 3600 BM MINR PM TBD 3600 BM CERES TRM,AM,PM Barkstrom 2221 BM CERES TRM,AM,PM Barkstrom 2169 AM CERES TRM,AM,PM Barkstrom 2169 AM CERES TRM,AM,PM Barkstrom 2221 BM CERES TRM,AM,PM Barkstrom 2221 AM CERES TRM,AM,PM AM, AM, AM, AM, AM, AM, AM, AM, AM, AM,			EOSP		Travis	2313	ΑM	20% :: 10%	1/day [d]	40 km :: G	Column :: Cloud
1865 AIRS PM Chedin, Fleming, 1869 BM MODIS AM.PM Kaufman, Taire 1874 AM MODIS AM.PM Kaufman, Taire 1874 AM MODIS AM.PM Kaufman, Taire 3321 AM MODIS AM.PM Kaufman, Taire 3321 AM MODIS AM.PM Kaufman, Taire 3321 AM MODIS AM.PM Suskind 1869 BM MODIS AM.PM Suskind 1869 BM MODIS AM.PM Suskind 1869 BM MODIS AM.PM TBD 3600 BM MIROLS CHEM Barkstrom 2221 BM CERES TRM,AM,PM Barkstrom 2221 BM CERES TRM,AM,PM Barkstrom 2169 AM CERES TRM,AM,PM Barkstrom 2169 AM CERES TRM,AM,PM Barkstrom 2169 AM CERES TRM,AM,PM Barkstrom 2221 AM CERES TRM,AM,PM Barkstrom 2221 AM CERES TRM,AM,PM Barkstrom 2221 AM CERES TRM,AM,PM Barkstrom 2222 AM CERES TRM,AM,PM Barkstrom 2223 AM CERES TRM,AM,PM AM, AM, AM, AM, AM, AM, AM, AM, AM, AM,			MODIS	AM,PM	Kaufman, Tarre	2293	ΑM	0.1 :: 0.05	1/day, 1/mo	0.5 dg :: Land	N/A :: Atmos
AIRS PM Chedin, Fleming, 1869 BM MODIS AM.PM Kaufman, Tarre 1874 AM MODIS AM.PM Kaufman, Tarre 1874 AM MODIS AM.PM Kaufman, Tarre 1874 AM MODIS AM.PM Kaufman, Tarre 1872 AM AIRS PM Susskind 1869 BM ISSS FM AM.PM BM. Susskind 1873 BM CERES TRM, AM.PM BM. Susskind 2221 BM CERES TRM, AM.PM BM. Susskind 2169 AM CERES TRM, AM.PM BM. Susskind 2169 AM CERES TRM, AM.PM BM. Susskind 2221 BM CERES TRM, AM.PM BM. Susskind 2221 AM CERES TRM, AM.PM BM. Susskind 2221 AM CERES TRM, AM.PM BM. Susskind 2222 AM CERES TRM, AM.PM AM. Susskind 2222 AM CERES	Precipitable Water	7865						10%::10%	2/day	50 km :: Land	Сошти :: Агтоя
MODIS	•		AIRS	M	Chedin, Fleming,	1869	BM	5%:: 3%	2/day [d,n]	50 km :: G	N/A :: Trop
MODIS			MODIS	AM,PM	Menzel	1875	ВМ	10 mm :: 5 mm	2/day	5 km :: G	N/A :: Atmos
MODIS			MODIS	AM,PM	Kaufman, Tame	1874	AM	8%:: 6%	1/day	5 km :: Land	N/A:: Atmos
1934 AJRS PM Susskind 1869* BM 1959 MIMR PM TBD 3600 BM 1518 HIRDLS CHEM Barkstrom 2221 BM CERES TRM,AM,PM Barkstrom 2221 BM CERES TRM,AM,PM Barkstrom 2109 AM CERES TRM,AM,PM Barkstrom 2221 BM CERES TRM,AM,PM Barkstrom 2221 AM CERES TRM,AM,PM AM AM CERES TRM,AM,PM AM CERES TR			MODIS	AM.PM	Kaufman, Tarre	3321	ΑM	12%::8%	1 day, mo	l km :: Land	N/A :: Atmos
AIRS PM Susskind 1969 BM 1959	Precipitation Amount, Daily	1934						I mm :: I mm	IIday	I km :: Land/R	NIA :: Sfc
1959 MIMR			AJRS	PM	Susskind	1969•	BM	2mm/day :: 1mm/day	2/day [d,n]	50 km :: G	N/A :: Trop
1959 MIMR			AIRS	PM	Suelin	3694	ΨĮ	Հոռոչիս :: Լոռոչիս	2/day [d.n]	50 km :: G	N/A :: Trop
1516	Precipitation Rate, Rain	1959						20% :: 20%	1/day	500 m :: G	NIA :: Trop
1518 HIRDLS CHEM Barkett Gille 1524 BM			MIMR	PM	TBD	3600	ВМ			22 km :: Global	N/A :: Sfc
HIRDLS CHEM Barrett, Gille 1524 BM	n Pressure	1518						5%.::5%	11/65	25 km :: Land	3 km :: Trop
CERES TRM,AM,PM Barkstrom 2223 BM			HIRDLS	СНЕМ	Barnett, Gille	1524	M	0.1%:: 0.1%	2/day [d,n]	4 x 4 dg :: G	0.2 km :: 7-80 km
CERES TRM,AM,PM Barkstrom	n Radiative Flux, Broadband, Down	2142						1 W/m^2 :: 1 W/m^2	1/hr	8 km :: Land/R	N/A :: TOA
CERES TRM,AM,PM Bartstrom 2221 BM			CERES	TRM,AM,PM	Barkstrom	2223	BM	15 W/m^2 :: 2 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Sfc
CERES TRM,AM,PM Barkstrom 2222 BM			CERES	TRM,AM,PM	Barkstrom	1221	BM	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A :: Sfc
CERES TRM,AM,PM Barkstrom 2170 BM			CERES	TRM,AM,PM	Barkstrom	2222	BM	10 W/m^2 :: 2 W/m^2	1.ktay [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
CERES TRM,AM,PM Barkstrom 2170 BM	n Radiative Flux, LW, Down	2/63						10% :: 10%	[diwnal]	500 m :: Land/R	:: S/c
CERES TRM,AM,PM Barkstrom 2169 AM			CERES	TRM,AM,PM	Barkstrom	2170	BM	7 W/m^2 :: 2 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Sfc
CERES TRM,AM,PM Bartstrom 2168 AM			CERES	TRM,AM,PM	Barkstrom	2169	Æ	7 W/m^2 :: 2 W/m^2	6/day [d,n]	1.25 x 1.25 dg :: G	N/A :: Sfc
CERES TRM,AM,PM Barkstrom 2223 BM			CERES	TRM,AM,PM	Barkstrom	2168	ΨV	5 W/m^2 :: 2 W/m^2	1,4ay [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
CERES TRM,AM,PM Barkstrom 2223 BM	n Radiative Flux, SW. Down	2216						%01 :: %01	(diwnal)	500 m :: Land/R	<i>3/</i> 5 ∷
CERES TRM,AM,PM Bartstrom 2221 AM CERES TRM,AM,PM Bartstrom 2222 AM CERES TRM,AM,PM Bartstrom 2247 AM CERES TRM,AM,PM Bartstrom 2247 AM			CERES	TRM,AM,PM	Barkstrom	2223	BM	15 W/m^2 :: 2 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Sfc
2240 CERES TRM,AM,PM Barkstrom 2222 AM CERES TRM,AM,PM Barkstrom 2247 AM CERES TRM,AM,PM Barkstrom 2247 AM			CERES	TRMAMPM	Barkstrom	1221	WV	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A :: Sfc
CERES TRM,AM,PM Barkstrom 2247 AM			CERES	TRM,AM,PM		2222	Æ	10 W/m^2 :: 2 W/m^2	1 Asy [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
CERES TRM,AM,PM Barkstrom 2247 AM	n Radiative Flux, SW, Up	2240						15%:: 15%	(diwnal)	500 m :: LandiR	NIA :: Sfc
My Osci	•		CERES	TRM,AM,PM	Barkstrom	2247	Æ	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A :: Sfc
IKM, AM, FIM Darkstroin 42.30 AM			CERES	TRM,AM,PM	Barkstrom	2250	¥	15 W/m^2 :: 2 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Prod Instr. Platforms Investigator Prod Match Arts ns. 5 Information Prod Instr. Platforms Investigator Prod Match Abs : Red Instr. Platforms Investigator Prod Match Abs : Red Instr. Platforms Investigator Prod Match Abs : Red Instr. Instrumentation ASTER AMI Callegite Data Data Instrumentation Instrumentation ASTER AMI Callegite Data Data Instrumentation	IDS Input Data Product		EO	FOS Instrument	Outnit Date	Dendund		A				r
1777 ASTER AM1 Chief, Chinage 2007 BM Variable: variable Somestion Somesti	4	Prod#		Platforms	Investigator	Prod #	Match	Abs :: Rel	remporal Resolution	Resol :: Cover	Vertical Recol · · Cover	
ASTER	Kerr, Sorooshian Soil Class	2792			0				1/14	30 m :: LandiR	. 56	-
ASTER AM Gillepie 2007 BM variable: variable Somethinston Som			ASTER	AMI	Kahle, Gillespie	2803	BM		50 maps/mission	90 m :: Land/R.L	N/A :: Sre	_
ASTER AMI Gillesjie, Rowan, 2837 AM variable; variable 1977 AM variable; variable 50 mission 1978 ASTER AMI Kable, Gillesjie, 2807 BM variable; variable 50 mission 1978 AMI AMI Rowan, Cint. 2773 AM 1006; 3.54 10424			ASTER	NM1	Gillespie		BM		50 scenes/mission	15 m :: Land/R,L	N/A :: Sfc	1
ASTER AMI Collegie, Rowan 2117 AM variable; weight Somistion 1194			ASTER	AMI	Gillespie, Rowan,		AM-	variable :: variable	50/mission	90 m :: Land/R,L		1
ATTER	Kerr. Sorooshian Soil Mineral Type	2802							II)y	30 m :: LandIR	:: S/c	Т
HIRIS AMJ Gliebei, Rowan, 2317 AM variabie; variable Solvinision HIRIS AMJ Gleen, Clark 2772 AM 10%; 5% 10xes 10xe			ASTER	AM1	Kahle, Gillespie		BM		50 maps/mission	90 m :: Land/R,L	N/A :: Sfc	T
HIRIS AM2 Rown, Clirk 2772 AM 10% ::5% 1/ess			ASTER	AM!	Gillespie, Rowan,		¥	variable :: variable	50/mission	90 m :: Land/R,L	N/A :: Sfc	Т
HIRIS AM2 Card 2023 BM 10% ::95 1/1642 1/			HIRIS	AM2	Rowan, Clark	2772	AM	10%:: 5%	1/seas	30 m :: Land/L	N/A :: Sfc	Т
Fig. 100 100			HIRIS	AM2	Rowen, Clark	2784	ΑM	10% :: 5%	1/seas	30 m :: Land/L	N/A :: Sfc	_
MISTER AMJ Great 20.33 BM 5%:3%	Kerr, Sorooshian Soil Reflectance, Bi-directional, (BRDF)	2042						10%::10%	liseas	NIA :: Land	N/A :: Sfc	Τ-
MODIS AM-PM Multic, Stark MAP Multic, Map Multic,			HIRIS	AM2	Gerstl	2035	B	5%:: 5%	1/(16 day)	30 m :: Land/L	N/A :: Sfc	T
MODIS AM-PM Multer, Strather, 1869 AM 158; 3:54 1649; 1/bk			MISR	AM	Diner	2632	Æ	5%:: 2%	1/(5-16 day) [d]	240 m :: R	N/A :: Sfc	ī
MODIS AM.PM Ture, Mailer 2424 AM 158::5.85 169y, 1/bk			MODIS	AM,PM	Muller, Strahler,	3669	¥	5%:: 3%	1/day	1 km :: Land/R	N/A :: Sfc	
MODIS AMPM Ture, Muller 2425 AM 158;:5.85 145y, Ivk		MODIS	AM,PM	Taure, Muller	2424	¥	15%:: 5 - 8%	1/day, 1/wk	I km : G,R	N/A :: Sfc	_	
Fig. 1, 25			MODIS	AM,PM	Terre, Muller	2425*	AM	15%:: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A :: Sfc	Τ-
HIRIS AM2 Kerfer, Clark 2849 BM ::30%	Kerr, Sorooshian Structure-Location, Significant Mappable	2882							K/I	30 m :: LandiR	:: 5/c	Υ-
ASTER AM Gillespie, Rowan 2883 BM variable : variable Somission			HIRIS	AM2	Kieffer, Clark	2884	BM	:: 30%		30m:: L	N/A :: Sfc	Т
1577 ALISS PM Checkin, Fleming, 1588 BM 1, K :: 1, K 2/day d.n.			ASTER	AMI	Gillespie, Rowan,		BM BM	variable :: variable	50/mission	90 m :: Land/R.L		Τ-
HIRDLS CHEM Bureat, Gile 1608 AM K.2K550km 22kby [d.h]	Kerr, Sorooshian Temperature Profile	1577						IK::IK	2/day	50 km :: Land	I km :: Atmos	_
HIRDLS CHEM Barnett, Gille 1608 AM K;2K-50km; 0.3K;1K-50k 2day d.n.			AIRS	PM	Chedin, Fleming,	1588	BM	1.0 K :: 0.4 K	2/day [d,n]	15 x 50 - 50 x 50 km :: G	1.2 km :: Atmos	ī
153			HIRDLS	CHEM	Barnett, Gille	1608		2K>50km:: 0.3K;1K>50k	2/day [d.n.]	4×4dg::G	1 km :: 7-80 km	Т
MODIS	Kerr, Sorooshian Temperature, New sfc	1631						1 K :: 1 K	21day [d.n]	500 m :: LandiR	NIA :: Sfc	_
MODIS AM_PM Wan 2819 AM 1 C :: 1 C 1/day, 1/ark			AJRS	PM	Chedin, Fleming,	1588	BM	1.0 K :: 0.4 K	2/day [d.n]	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos	_
tion, Lond 3fc, (DEM) 2826 AM Diversion 1/10x, 1/mo tion, Lond 3fc, (DEM) 2826 MISR AM 100 m; 100 m 1/mission tion, Lond 3fc, (DEM) 2814 BM 100 m; 100 m 1/mission tion, Lond 3fc, (DEM) 2814 ASTER AMI Kahle, JGI 2828 AM >50 m; >30 m 1/mission (Azimuth), Land 3fc, (DEM) 2814 ASTER AMI Kahle, JGI 2828 BM >50 m; >30 m 1/mission (Azimuth), Land 3fc, (DEM) ASTER AMI Robert 2828 BM >50 m; >30 m 1/mission ASTER AMI Robert 2828 BM >50 m; >30 m 1/mission ASTER AMI Robert 2858 BM variable; variable 25 scenes/yr Aster AMI Scenes 355 BM variable; variable 25 scenes/yr Aster AMI Scenes AMI 106 s; 5% Image Image Aster AMI			MODIS	AM,PM	Wan	2484	ΨV	10::10	1 /day, 1/wk	1 km: Land/R	N/A :: Sfc	_
Fig. 1926 MISR AM Direct 1984 100 m 1/mission 1/mi			MODIS	AM,PM	Вгочп	2527	¥	0.3-0.5 K :: 0.1-0.3 K	1/day, 1/wk, 1/mo	1 km :: Ocean/L	N/A :: Sfc	
MJSR	Kerr, Sorooshian Topographic Elevation, Land sfc	2826						50 m:: 50 m	Ilmission	500 m :: Land	N/A :: Sfc	Т
ASTER AM1 Kahle, IGI 2828 AM >50 m::>30 m I/mission		MISR	AM	Diner	2846	BM	100 m :: 100 m	1/mission	500 m :: Land	N/A :: Sfc	Т	
tion, Land, 9C, (DEM) 2834 ASTER AMI Kahle, JGI 2828 BM >50 m::>30 m Ilya (Azimuch), Land, 9C 2830 ASTER AMI Kahle, JGI 2828 BM variable: variable 25 scenes/yr (Azimuch), Land, 9C 2845 AMI Kahle, JGI 2826 BM variable: variable 25 scenes/yr ASTER AMI Kahle, JGI 2836 BM variable: variable 25 scenes/yr ASTER AMI Kahle, JGI 2836 BM variable: variable 25 scenes/yr ASTER AMI Kahle, JGI 2836 BM variable: variable 25 scenes/yr Veed ASTER AMI Rowan 2856 BM variable: variable 25 scenes/yr Veed ASTER AMI Rowan 2856 BM variable: variable 25 scenes/yr Veed ASTER AMI Rowan 2856 BM variable: variable 1/co.scenes/yr MODIS AMPM			ASTER	AM1	Kahle, JGI	2828	ΨV	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc	ī
(Azimuth), Land sfc 2830 ASTER AM1 Kahle, JGI 2828 BM >50 m.:>30 m 1/pg (Azimuth), Land sfc 2830 ASTER AM1 Kahle, JGI 2828 BM >50 m.:>30 m 1/pg (Azimuth), Land sfc 2843 ASTER AMI Rowar 2856 BM variable:: variable 25 scenes/yr Aster AMTER AMI Rahle, JGI 2828 BM variable:: variable 25 scenes/yr Aster AMTER AMI Rahle, JGI 2828 BM variable:: variable 25 scenes/yr Veea 2630 BM variable:: variable 25 scenes/yr 1/pg ASTER AMI Rahler, Huete et 2669 BM 1066:: 5% 1/mo, 1/seas MODIS AMAPM Surahler, Huete et 2649 AM 1066:: 5% 1/Ro AMI AMI Surahler, Huete et 2640 AM 1066:: 5% 1/Ro AMI AMI AMI Vestrann <t< td=""><td>Kerr, Sorooshian Topographic Elevation, Land_sfc, (DEM)</td><td>2834</td><td></td><td></td><td></td><td></td><td></td><td>10 :: 10</td><td>1/7</td><td>30 m :: LandıR</td><td>:: S/c</td><td>_</td></t<>	Kerr, Sorooshian Topographic Elevation, Land_sfc, (DEM)	2834						10 :: 10	1/7	30 m :: LandıR	:: S/c	_
(Azimuth), Land sfc 2830 ASTER AMI Kahle, JGI 2828 BM >50m::>30m 1/yr (Azimuth), Land sfc 2843 ASTER AMI Rahle, JGI 2828 BM variable:: variable 25 scenes/yr (Azimuth), Land sfc 2843 ASTER AMI Rahle, JGI 2828 BM >50 m::>30 m 1/lyr Aster AMTER AMI Rahle, JGI 2828 BM variable:: variable 25 scenes/yr 1/lyr Vest ASTER AMI Rahle, JGI 2828 BM variable:: variable 25 scenes/yr Vest ASTER AMI Smhler, Huete et 2669 BM 10%:: 5% 1/mo. 1/seas MODIS AMAPM Smhler, Huete et 2669 BM 10%:: 5% 1/no. 1/seas HIRIS AMZ Ustin, Wessman 2741 AM 20%:: 10% 1/(2-16 day) 1834 HIRIS AMZ Ustin, Wessman 2741 AM 40%:: 20% 1/(2-16 day) <t< td=""><td></td><td></td><td>ASTER</td><td>AMI</td><td>Kahle, JGI</td><td>2828</td><td>M M</td><td>>50 m :: >30 m</td><td>1/mission</td><td>15 m :: Land/R,L</td><td>30 m :: Sfc</td><td></td></t<>			ASTER	AMI	Kahle, JGI	2828	M M	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc	
ASTER AMI Kahle, JGI 2828 BM >50 m.:>30 m 1/mission (Azimuh), Land_sfc 2845 AMI Rowan 2856 BM variable::variable 25 scenes/yr Aster AMI Kahle, JGI 2828 BM >50 m.:>30 m 1/msision Vess ASTER AMI Rowan 2856 BM variable::variable 25 scenes/yr NoB ASTER AMI Rowan 2856 BM variable::variable 25 scenes/yr MODIS AM,PM Srahler, Huete et 2669 BM 10%::5% 1/mo. 1/seas HRIS AM,PM Srahler, Huete et 2670 BM 10%::10% 1/(2-16 day) 2634 HRIS AM,PM Vessrran 2741 AM 20%::10% 1/(2-16 day) 4 HRIS AM2 Ustin, Wessrran 2741 AM 20%::20% 1/(2-16 day) 4 HRIS AM2 Ustin, Wessrran 2657 AM 40%::20% 1/(2	Kerr, Sorooshian Topographic Slope (Azimush), Land sfc	2830						10::5	11/9	30 m :: LandiR	:: S/c	
ASTER AMI Roward 2356 BM variable::variable 25 scenestyr Aster AMI Kahle, IGI 2828 BM >50 m::>30 m 1/yr Aster AMI Roward 2856 BM variable::variable 25 scenestyr Vest ASTER AMI Roward 2856 BM variable::variable 25 scenestyr Modis AMI Smhler, Huete et 2669 BM vino, 1/seas I/mo, 1/seas HRIS AM2 Ustin, Wessman 2544 AM 10%:: 10% 1/(2·16 day) 2634 HRIS AM2 Ustin, Wessman 2741 AM 20%:: 10% 1/(2·16 day) AM2 Ustin, Wessman 2657 AM 40%:: 20% 1/(2·16 day) AM2 Ustin AM2 Ustin 2656 BM 40%:: 20% 1/(2·16 day) AM2 Ustin 2656 BM 40%:: 20% 1/(2·16 day)			ASTER	-WI	Kahle, JGI	2828	BM	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc	
ASTER AMI Kahle, JGI 2828 BM >50 m :: >30 m Ilyg			ASTER	VWI	Rowan	2856	BM	variable :: variable	25 scenes/yr	50 m :: Land/R,L	N/A :: Sfc	
ASTER AM1 Kahle, JG 2828 BM >50 m :: >30 m 1/mission	Kerr, Sorooshian Topographic Slope (Azimuth), Land sfc	2845						5::5	11/9	30 m :: LandIR	:: S/c	
Vect ASTER AMI Rowan 2856 BM variable::variable 25 scenes/yr Mod No AM.PM Srahler, Huete et 2669 BM 10%::5% 1/mo, 1/seas MODIS AM.PM Srahler, Huete et 2670 BM 10%::5% 1/mo, 1/seas HRIS AM.PM Vessman 2741 AM 20%::10% 1/(2.16 day) HRIS AM.Z Ustin, Wessman 2741 BM 20%::10% 1/(2.16 day) HRIS AM.Z Ustin, Wessman 2657 AM 40%::20% 1/(2.16 day) 2636 HRIS AM.Z Ustin 2656 BM 40%::20% 1/(2.16 day)			ASTER	AM!	Kahle, JGI	2828	EM.	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc	
MODIS AM-PM Srahler, Huete et 2669 BM 10% :: 5% 1/mo, 1/ceas			ASTER	VWI	Rowan	2856	BM BM	variable :: variable	25 scenes/yr	50 m :: Land/R,L	N/A :: Sfc	
MODIS AM_PM Strabler, Huete et 2669 BM 10% :: 5% 1/mo, 1/seas	Kerr, Sorooshian Vegelation Biome Area	2630				333		5% :: 5%	l/seas	:: LandiR	N/A :: Sfc	
MODIS AM_PM Sunhid: Huete of 2670 BM 10%::5% 1/mo, 1/kess			MODIS	AM,PM	Strahler, Huete et	1	EM EM	10%:: 5%	l/mo, l/scas	1 km :: Land	N/A :: Sfc	
HIRLS AM2 Wessman 2544 AM 10%::10% 1/(2-16 day)			MODIS	AM,PM	Strahler, Huete et	_1	EM EM	10%:: 5%	1/mo, 1/scas	5 km :: Land	N/A :: Sfc	
2634 AM2 · Ustin, Wessman 274 AM 20%::10% 1/(2-16 day) 2634 HRUS AM2 Ustin, Wessman 2741 BM 20%::10% 1/(2-16 day) HRUS AM2 Ustin 2657 AM 40%::20% 1/(2-16 day) 2636 HRIS AM2 Ustin 2656 BM 40%::20% 1/(2-16 day)			HIRIS	AM2	Wessman	2644	¥	10%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	
2634 HIRLS AM2 Ustin, Wessman 2741 BM 2054::10% 1/(2-16 day) HIRLS AM2 Ustin 2657 AM 4054::20% 1/(2-16 day) 2636 HIRLS AM2 Ustin 2656 BM 4054::20% 1/(2-16 day)			HIRIS	AM2	Ustin, Wessman	2741	¥	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc	
HIRLS AM2 Ustin, Westman 274 BM 2054.:: 1056 1/(2-16 day)	Kerr, Sorooshian Vegetation Density	2634								60 m :: LandiR	2/s ::	
2636 HRIS AM2 Ustin 2657 AM 4054::20% 1/(2-16 day) 1/6-1096::1076 1/186 AM2 Ustin 2656 BM 4054::2076 1/(2-16 day)			HIRIS	AM2	Ustin, Wessman	2741	BM	20%:: 10%	1/(2-16 day)	30 m :: Lend/L	N/A :: Sfc	
2636 11star AM2 Ustin 2656 BM 4054::205 11/2-16 day)			HIRIS	AM2	Ustin	2657	₹	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc	
AM2 Ustin 2656 BM 40%:: 20% 1/(2:16 day)	Kerr, Sorooshian Vegetation Heigh	2636						10%::10%	l/seas	30 m :: LandiR	2/s ::	
((**) (1.4))			HIRIS	AM2	Ustin	2656	ВМ	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc	

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

		0.3	A The Contract of the Contract	Ontant Date D	40.00		Accessor	Tomoral	Horizontal	Vertical
Investigator Droduct Name	Prod #	Inetr	Platforme	Platforms Investigator Prod #	Prod # Match	Astch	Accuracy Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Joan Francisco Company Company	2000		- 3	8			104 104.	liveas	N/A :: Land	N/A :: Sfc
Kerr, Sorooshian Vegetation Kejtectance, Bi-directional, (BKL 2040	0407				,,,,,		8.01 8.01	W. C. J. V.	20 mm 1 mm 02	NA :: GE
		HIRIS		Cerse	COS	E I	3,6 :: 3,6	1/(10 03%)	SOM :: LAMOVE	315 :: A/M
		MISR	Ψ	Dina	2632	E	3%:: 2%	1/(3-16 day) [d]	N :: E 047	N/A :: SIC
		MODIS	AM,PM	Muller, Strahler, 1	3669	¥	5%:: 3%	1/day	I km :: Land/K	N/A :: SIC
	1	Modis	AM,PM	Taure, Muller	2424	¥	15% :: 5 - 8%	1/day, 1/wk	I km :: G,K	N/A :: Sfc
		MODIS	AM,PM	Taure, Muller	2425	¥	15%:: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A:: Sfc
Kerr. Sorooshian Vegetation Spatial Density	2638	-					20% :: 10%		60 m :: Land/R	:: S/c
		HIRIS	AM2	Ustin	2657	BM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Kery Cornection Vessitation Temperature	2456						05K::05K	21day [d.n.]	500 m :: LandiR	:: S/c
	}	MODIS	AM PM	Wan	2484	ME N	10::10	1/dav, 1/wk	1 km :: Lænd/R	N/A :: Sfc
		ACTED	AMI	Kable Barker	2483	MA	1-6 K - 0 3 K	1/(2-16 day)	90 m :: Land	N/A :: Sfc
•		AIRS	Md	Chedin Flemine	2481	N N	10K::05K	2/dav [d.n]	50 km :: Land	N/A :: Sfc
	2722			i				l/seas	30 m :: LandiR	::: S/c
nerr, sor cosnam regenation 1 ppe	3	LIDIC	CMA	Weemen	2644	MA	10% - 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
		MIDI	AMO	I Istin et al	2746	W	20% :: 10%	1/(2-16 dav)	30 m :: Land/L	N/A :: Sfc
		CTVIII	7	2000	20.00		100E 100E	4m//	100 m . Landin	NIA ·· SG
Lau Albedo, Snow	9/07	C. C.			0776	710	(a 1a.	1 Aut 1 Amo	None I m OS	N/A :: Sfe
		HIKIS	AM2	Dozier	2	Wg	0.1 :: 0.C	I'ME, I'III		200
Lau Cloud Cover	2054						5% :: 5%	2/day	30 km :: R	N/A .: Atmos
		CERES	TRMAMPM	Barkstrom	2086	BM	5%:: 2%	6/day [d,n]	25 km :: G	N/A :: Atmos
		AIRS	PM	Chahine, Chedin,	2062	BM	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
		MODIS	AM,PM	King	2081	WΥ	10%:: 5%	2/day [d,n], 1/mo	S km :: G	N/A :: Clond
		GLRSA	ALT	Spinhime	2078	¥	1%:	1/(2-16 day)	10-200 km :: G	N/A ::
I on Cloud Court Cirrue	2070						5% :: 5%	11day	100 km :: G	N/A ::
		CI BC.A	AIT	Spinhime	1410	Ą	0.2 ::	1/(2-16 day)	1-10 km :: G	75 m ::
		GLRSA	ALT	Spinhime	1400	W	75 m ::	1/(2-16 day)	.2-10 km :: G	75 m ::
		MODIS	AM PM	King	2082	Æ	10% :: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
		CERES	TRM AM PM	Barkstrom	2088	W	5%:: 2%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
		AIDS	Md	Chahine Chedin	2062	W	0.05 :: 0.025	2/dav [d.n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
		GIRSA	ALT	Spinhime	2078	₹	1%::	1/(2-16 day)	10-200 km :: G	N/A ::
t	1403						100 m ::	2/day	50 km :: G	N/A :: Atmos
Law Cloud neigh, Carus	7047	AIRS	Md	Chahine, Chedin.	1423•	EM	0.5 km :: 0.25 km	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
		GIRCA	ALT	Spinhime	1410	W	0.2 ::	1/(2-16 day)	1.10 km :: G	75 m ::
		GLRS-A	ALT	Spinhime	140	₹	75m::	1/(2-16 day)	.2-10 km :: G	75 m ::
to	1020						0.05 :: 0.05	I/day	100 km :: G	NIA :: Trop
		CERES	TRM AM PM	Barkstrom	1899	Æ	S0% :: 10%	1 /day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	Column :: Atmos
		CERES	TRM AM PM	Barkstrom	<u>8</u>	₹	S04:: 10%	1/(6 hr)	1.25 x 1.25 dg :: G	Column :: Atmos
		AIRS	Ā	Rosenkranz	1908	¥	0.1 :: 0.1	2/dsy [d,n]	50 km :: G	N/A :: Cloud
Desirant Desirant	2007						100m'2 :: 100m'2	Ilmission	10 m :: Landil	N/A :: Sfc
		HIRIS	AM2	Kieffe. Clark	2884	¥.	:: 30%		30 m :: L	N/A :: Sfc
		ASTER	IWV	Kahle, JGI	2828	ΨV	>50 m :: >30 m	1/mission	15 m :: Land/R.L	30 m :: Sfc
I am I and of Boundance Amodenamic	1550						10% :: 10%	IIIN	30 m :: Landil.	NIA :: Sfc
Land aft nongreess, no our manuel	1	ASTER	W	Kahle, JGI	2828	BM	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc
1 1 de Bouchages Association	٤						10% :: 10%	I/wk	10 km :: LandIR	NIA :: Sfc
The state of the s		MODIS	AM PM	Taure, Muller	1557*	Æ	15% :: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A :: Sfc
		MODIS	AM PM	Muller, Tame	3670	Æ	5%:: 3%	1/day	1 km :: Land/R	N/A :: Sfc
		MODIS	AM.PM	Tarre, Muller	1556*	BM.	15% :: 5 - 8%	1/day, 1/wk	1 km :: G,R	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

		IDS Innit Date Product		CO	A TOTAL		•						1
Frieglander Amount Frie		Product Name	Drod #	195-1	Diether univenit	Cutput Data	Toduct		Accuracy	Temporal	Horizontal	Vertical	
Principalica James 173 1844 1874 1	9	Professional American	# 100	Instr.	riamorms		Frod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.	
March Marc	•	r ecipitation Amount	C C						2::2	Ilmo	500 km :: G	N/A :: Trop	_
Principalita Account 1938 ANIZA Statistic 1940 ANIZA A				AIRS		Susskind	1969	BM	Zmm/day :: 1mm/day	2/day [d,n]	50 km :: G	N/A :: Trop	,
Marie Mari				Ales	I	Staclin	3696	₹	Հոսոփո ։։ Լոսոփո	2/day [d,n]	50 km :: G	N/A :: Trop	,
Alia Pin Smalled 1949 Bit Alia Pin Smalled 1949 Bit Alia Pin Smalled 1949 Bit Alia Pin Smalled 1949 Bit Alia Pin Ter.	Precipitation Amount	9861						2::2	11day	50 km :: R	N/A :: S/c	_	
Marie Mari			-1	AIRS		Susskind	1969	BM	Zmm/day :: 1mm/day	2/day [d,n]	50 km :: G	N/A :: Tree	_
Mail			1	AIRS		Staclin	3694	₹	Հոսոփա ։։ Լոսոփա	2/day [d,n]	50 km :: G	N/A :: Trop	-
Figure 19, 19, 12, 13, 14, 14, 15, 14, 14, 15, 14, 14, 15, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14				MIMR		TBD	3600	AM			22 km :: Global	N/A :: Sfc	_
Auto	Tan.	Radiative Flux, LW	2154						10W/mr2 :: 10%	I/day	500 km :: G	N/A Str	_
Alika PAM Genter Alika PAM Genter Alika PAM Genter Alika PAM Genter			CERES	TRM,AM,PM	Barkstrom	2182	BM	5 W/m^2 :: 2 W/m^2	1/day [Ave], 1/mo [Ave]	1.25 x 1.25 de :: G	N/A Sfc	_	
Mailane Flue, 3W 2115 AMS Mattern 2120 MM 10 May 10 May 50 ms; Common 1 May 10 M				AJRS		Gautier	2176	₹	<15:: TBD	1/day	50 km :: Land	N/A :: Cfc	-
Radinose Fib. 559 2155 TRNAALIM Bacteriem 220 BM 100mp/21; 2 Wind 1460p 150 112 6g CC				AIRS		Gautier	2177*	¥	<10 :: TBD	1/day	50 km :: Ocean	N/A :: Sfe	_
CRRS TRMAAMYM Methrem 220 BM 10 Wing***; 2 Wing***; 1 May 10 Mind***; 2 Wing***; 2 Wing**	Lau	Radiative Flux, SW	2215						10W/mr2 :: 10%	//day	\$00 km :: G	N/A SG	_
CORRIS TRAAAJAM Bacteron			1	CERES	M	Barkstrom	2230	BM	10 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 de :: G	N/A :: Sfe	7.
River Channel, Registration 1949 Parties 2223 AM Cities Citie				CERES	Σ	Barkstrom	2222	BM	10 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfe	_
Alika Phy Guater 2133 AM 416:-5 1487 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487 1981 1487				CERES	М	Barkstrom	2248	BM	10 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 de :: G	N/A :: CF	_
No. 15 N				AJRS		Gautier	2232	¥	<15:: <5	1/day	Solem: Land	N/A :: SIC	_
Sea of Channel Connecty, Major attreet HRISS ANZ Kieffer, Clark 254 ANZ Invasion 30m:: Load/R Sea of Crayerate (SST) 2314 HRISS ANZ Kieffer, Clark 232 BM 0.3.0 K;: 0.1.05 K Invat 100 m;: 0cean 100 m;: 0cean Sea of Crayerate (SST) 2314 BMD Chan, Reming, 2522 BM 0.3.0 K;: 0.1.05 K 250 g/s; 0.1.05 K <td></td> <th></th> <th></th> <td>AIRS</td> <td></td> <td>Gautier</td> <td>2233</td> <td>ΑM</td> <td><10:: <5</td> <td>1/day</td> <td>50 km :: Occan</td> <td>N/A :: Sfc</td> <td>_</td>				AIRS		Gautier	2233	ΑM	<10:: <5	1/day	50 km :: Occan	N/A :: Sfc	_
Sta.gC Temperature (SST) 2314 HRIS AAALTA Rickler, Chet 232 AAA 0.0 AK:: 0.1 OK 1 In-bat 100 m:: 1. Sta.gC Temperature (SST) 2314 AAATAH Brown Barren 2323 AAA 0.3 OKK:: 0.1 OKK 1 Iday, 1-bat, 1-bm 50 bm:: 0 Cecan MODIS AAALTAH Brown Barren 2323 AAA 0.3 OKK:: 0.1 OKK 1 Iday, 1-bat, 1-bm 20 bm:: 0 Cecan MODIS AAALTAH Brown Barren 2323 AAH 0.3 OKK:: 0.1 OK 1 Iday, 1-bat, 1-bm 20 bm:: 0 Cecan MODIS AAALTAH Brown Barren 2323 AAH 0.3 OKK:: 0.1 OK 1 Iday, 1-bat, 1-bm 20 bm:: 0 Cecan MODIS AAALTAH Brown Barren 2323 AAH 0.3 OKK:: 0.1 OK 1 Iday, 1-bat, 1-bm 20 bm:: 0 Cecan MODIS AAALTAH Brown Barren 2321 AAH 0.3 OKK:: 0.1 OK 1 Iday, 1-bat, 1-bm 20 bm:: 0 Cecan Soa of Temperature (SST) 2316 AAATAH Brown Barren 2321 AAH 0.3 OKK:: 0.1 OK 1 Iday, 1-bat, 1-bm	Tan	River Channel Geometry, Major-stream	3049						01 :: 01	I/mission	30 m :: Land/R	N/A :: Sfc	_
Sta. of Timperature (SST) 2514 MODIS AAJEN Brown, Britan 2223 RM 0.904(S; 0.10.0KK 1/104, 1/he1, 1/hm 100 Inn: Ocean AURS AMIS PM Chedin, Perning, 2229* BM 0.51 4K; 20.03K 1/leg, 1/he1, 1/hm 50 Inn: Ocean MODIS AAJAN Brown, Barton 2533 AM 0.50 6K; 0.10.3K 1/leg, 1/he1, 1/hm 20 Inn:: Ocean(R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.				HIRIS		Kieffer, Clark	2884	AM	:: 30%		30 m :: L	N/A :: Sfc	, -
MODIS AMJPM Brown 2323 BM 0.3-0.4K = 0.1-0.0K 1.04y, 1.04x, 1.0m 50 tm;; Ocean MODIS AMJPM Brown 2329 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown 2329 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2327 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2327 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2327 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2327 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2327 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2327 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2327 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2327 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2327 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2328 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2329 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2329 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2329 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2329 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Brown Brown 2329 AM 0.3-0.6K = 0.1-0.3K 1.04y, 1.04x, 1.0m 20 tm;; Ocean MODIS AMJPM Salamason 302		Sea sfc Temperature (SST)	2514						0.5 K ::	1/wk	100 km :: Ocean	N/A :: Sfc	-
Stea_ACT Transporter (SST) ANAPA MINS ANAPA MINS Brown Barren (SST) 2223 AM AMAPA (SST, COLO 3) K			1	MODIS		Brown, Barton	2532	BM	0.3-0.4K :: 0.1-0.6K	1/day, 1/wk, 1/mo	50 km :: Ocean	N/A :: Sfc	_
MODIS AMPM Brown 2233 AM 0.3.0 K ; 0.1.0 K 1.04 k			1	AIRS		Chedin, Fleming.	2523•	BM	0.5 - 1 K :: 0.4 - 0.5 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc	-
MODIS			1	MODIS		Brown	2528	ΨV	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc	
Sea_stCTomperators (SST) 2315 MALPM FPM TBD 3603 AAM 0.25.K.:: 0.24 I/mk Time 500 hm:: Ocean MoDIS AAALPM Brown 2227 AAM 0.3-0.K.:: 0.1-0.6K I/day, I/mk, I/mo 500 hm:: Ocean MODIS AAALPM Brown 2227 AAM 0.3-0.K.:: 0.1-0.3K I/day, I/mk, I/mo 500 hm:: OceanGR MODIS AAALPM Brown 2227 AAM 0.3-0.K.:: 0.1-0.3K I/day, I/mk, I/mo 500 hm:: OceanGR ARS PM Oxedin, Peming, 2523* AAM 0.3-0.K.:: 0.1-0.3K I/day, I/mk, I/mo 200 hm:: OceanGR ARS PM Oxedin, Peming, 2523* AAM 0.3-0.K.:: 0.1-0.3K I/day, I/mk, I/mo 200 hm:: OceanGR ARS PM TBD 3603 AAM 0.3-0.K.:: 0.1-0.3K I/day, I/mk, I/mo 200 hm:: OceanGR ARS AAALPM Brown, Barton 2323 AAM 0.3-0.K.:: 0.1-0.3K I/day, I/mk, I/mo 200 hm:: Ocean ARS AAM AAPA Brown, Cove			<u> 1</u>	MODIS		Brown, Barton	2531	ΑM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc	-
NODIS AM_PM Brown Barto 253 AM 0.3-04K : 0.1-0.0K 1/44, 1/mo 200 hm : Ocean NODIS AM_PM Brown Barto 2537 AM 0.3-04K : 0.1-0.0K 1/44, 1/mo 1 hm : Ocean NODIS AM_PM Brown 2537 AM 0.3-04K : 0.1-0.3K 1/44, 1/mo 20 hm : Ocean NODIS AM_PM Brown 2537 AM 0.3-04K : 0.1-0.3K 1/44, 1/mo 20 hm : Ocean NODIS AM_PM Brown 2533 AM 0.3-04K : 0.1-0.3K 1/44, 1/mo 20 hm : Ocean NODIS AM_PM Brown 2533 AM 0.3-04K : 0.1-0.3K 1/44, 1/mo 20 hm : Ocean NUMR PM TBD 360 AM 0.3-04K : 0.1-0.3K 1/44, 1/mo 20 hm : Ocean NUMR PM TBD 360 AM 0.3-04K : 0.1-0.3K 1/44, 1/mo 20 hm : Ocean NUMR PM TBD 360 AM 0.3-04K : 0.1-0.3K 1/44, 1/mo 20 hm : Ocean NUMR PM TBD 360 AM 0.3-04K : 0.1-0.3K 1/44, 1/mo 20 hm : Ocean NUMR PM TBD 360 AM 0.3-04K : 0.1-0.3K 1/44, 1/mo 20 hm : Ocean NUMR PM TBD 360 AM 0.3-04K : 0.1-0.3K 1/44, 1/mo 20 hm : Ocean NUMB PM TBD 360 AM 0.3-04K : 0.1-0.3K 1/44, 1/mo 20 hm : Ocean NUMB PM TBD 360 AM 0.3-04K : 0.1-0.3K 1/44, 1/mo 20 hm : Ocean NUMB PM TBD 360 AM 360 AM 360 AM 360 AM 360 AM NUMB PM TBD 360 AM 360				MIMR		TBD	3603	ΑM			60 km :: Occan	N/A :: Sfc	,
MODIS AMJPM Brown, Barton 2522 BM 0.3.0.4K; 0.1.0.6K 1/day, l.bwt, l/mo 1/m: Ocean/L		Sea_sfc Temperature (SST)	2315						0.2 K :: 0.2 K	IIWk	200 km :: Ocean	NIA :: Sfc	
MODIS			1_	MODIS	1	Brown, Barton	2532	BM	0.3-0.4K :: 0.1-0.6K	1/day, 1/wk, 1/mo	50 km :: Ocean	N/A :: Sfc	,
MODIS AM_PM Brown, Brown 2523 AM 0.3-0.6K::0.1-0.3K 1/day, l.wk, l/mo 20 thm: OceanG,R			1	MODIS		Brown	2527	ΨV	0.3-0.5 K :: 0.1-0.3 K	1/day, 1/wk, 1/mo	1 km :: Ocean/L	N/A :: Sfc	_
MODIS AM_PM Brown, Barton 2551 AM 0.3.04K: 0.1.0.3K 1/day, 1/wk, 1/mo 20 km: Ocean/G,R				MODIS		Brown	2528	Ą	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc	
Sea_3fc Temperature (SST) 2516 PM TBD 3603 AM 1 K :: 1 mo 164 :: Ocean Ocean				Modis	T	Brown, Barton	2531	¥	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Occan/G,R	N/A :: Sfc	_
Sea_sfc Temperature (SST) 25/6 MIDNS AMPM FPM TBD 3604 AM 1 K :: 1 mo 60 km :: Ocean Sea_sfc Temperature (SST) 25/6 MIDNS AM_PM Brown, Barton 2522 BM 0.5 K :: 1/day, Iwk, I/mo 50 km :: Ocean AIRS PM Obedin, Peming, 2529 BM 0.5 J K :: 2/day [d_n] 50 km :: Ocean MODIS AM_PM Brown, Barton 2521 AM 0.3-0.6K :: 0.1-0.5K 1/day, Iwk, I/mo 50 km :: Ocean MODIS AM_PM Brown, Barton 2521 AM 0.3-0.6K :: 0.1-0.3K 1/day, Iwk, I/mo 50 km :: Ocean MODIS AM_PM Brown, Barton 2521 AM 0.3-0.6K :: 0.1-0.3K 1/day, I/wk, I/mo 20 km :: Ocean Snow Cover 30/2 AM_PM Brown, Barton 2531 AM 363 AM 363 :: 10 1/wk, I/mo 20 km :: Ocean Snow Cover 30/3 AM_PM Salomenson 30/3 BM 56 :: 10 1/wk, I/mo 50 km :: Cryo/L Soil Moisture 2905 AM 258 :: 26 1/day, I/wk </td <td></td> <th></th> <th></th> <td>AIRS</td> <td>T</td> <td>Chedin, Fleming,</td> <td>2523•</td> <td>¥</td> <td>0.5 - 1 K :: 0.4 - 0.5 K</td> <td>2/day [d.n]</td> <td>50 km :: Ocean</td> <td>N/A :: Sfc</td> <td>_</td>				AIRS	T	Chedin, Fleming,	2523•	¥	0.5 - 1 K :: 0.4 - 0.5 K	2/day [d.n]	50 km :: Ocean	N/A :: Sfc	_
Sea_sfc Temperature (SST) 25/6 AM_PM Brown, Barron 25/2 BM 0.3-0.K :: 0.1-0.6K 1/day, I/wk, I/mo 50 km :: Real ARS PM Checkin, Perming, 2522* BM 0.3-0.K :: 0.1-0.6K 1/day, I/wk, I/mo 50 km :: Ocean 50 km :: Ocean ARDIS AM_PM Brown, Barron 2523 AM 0.3-0.6K :: 0.1-0.3K 1/day, I/wk, I/mo 20 km :: Ocean 20 km :: Ocean/G.R MODIS AM_PM Brown, Barron 2523 AM 0.3-0.6K :: 0.1-0.3K 1/day, I/wk, I/mo 20 km :: Ocean/G.R MODIS AM_PM Brown, Barron 2513 AM 0.3-0.6K :: 0.1-0.3K 1/day, I/wk, I/mo 20 km :: Ocean/G.R Snow Cover 3012 BM 7.0-0.1 1/wk, I/mo 20 km :: Cryol. Snow Cover 3013 AM 5010 1/wk, I/mo 50 m :: Cryol. Snow Cover 3013 AM 5% :: 2% 1/wk, I/mo 1/mk 1 km :: Land/I MODIS AM_PM Salomorson 3020 AM -5% :: -5% 1/day, I/wk				MIMK		OR I	3603	₹	P. P. C. Constitution of the Constitution of t		60 km :: Ocean	N/A :: Sfc	_
State St. Importante (SM) Logical AMPM Rown, Barton Logical St. Liday Logical MoDis Logical Phine Logical St. Liday Lower, Logical Phine Logical St. Liday Lower, Logical Phine Lo		tides of the state	1	MIMK		IBD	8	₹	1 K ::	1 110	l dg :: Ocean	N/A:: Sfc	_
AIRS PM Checlin, Pleming, 25229 BM 0.3-0.4K :: 0.1-0.6K 1/day, 1/wt, 1/mo 50 km :: Ocean		sea_sic I emperature (551)	92						05 K ::	Ilday	50 km :: R	N/A :: Sfc	
MODIS AM.PM Brown 252* BM 0.5.1 K :: 0.4.0.5 K 2/day [d.n.] 50 km :: Ocean				MODIS	T	Srown, Barton	2532	EM.	0.3-0.4K :: 0.1-0.6K	1/day, 1/wk, 1/mo	50 km :: Ocean	N/A :: Sfc	-
MODIS AM_PM Brown 2528 AM 0.3-0.6K::0.1-0.3K 1/day, 1/wk, 1/mo 20 km::Ocean/G,R			_1_	AIKS	T	nedin, Fleming.	222	M.	0.5 - 1 K :: 0.4 - 0.5 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc	-
MIDAIS MAJPM BIOPAT, Batton 2531 AM 0.3-0.6K;: 0.1-0.3K 1/day, 1/wk, 1/fmo 20 km;: Ocean/G,R				MODIS	T	Srown	2528	¥	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc	_
Snow Cover 30/2 ASTER AMI TBD 3634 BM TBD::TBD I/wk 100 m::Land/ILD Snow Cover 30/3 ASTER AMI TBD 3634 BM TBD::TBD TBD TBD::Land/ILD Snow Cover 30/3 AMI Dozier 30/9 BM 50::10 I/wk I/wk I/mk				MODIS	T	Brown, Barton	231	₹	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc	-
Show Core 3012 ASTER AMI TBD 3634 BM TBD::TBD TBD TBD::Land/TBD TBD::Tand/TBD Tand/TBD::Tand/TBD Tand/TBD Tand/TBD::Tand/TBD Tand/TBD::Tand/TBD Tand/TBD::Tand/TBD				MIMR		IBD	3603	¥			60 km :: Ocean	N/A :: Sfc	_
ASTER		SAOW COVE	30/5						50 :: 10	IIwk	100 m :: LandiL	NIA :: Sfc	_
Snow Cover 3013 AMP Doctor 3019 BM 5%:: 2% 1/wk, 1/mo 50 m:: Cryo/L Snow Cover 3013 AMPM Salomonson 3021 BM <=5%::<=5%			_1_	ASTER	T	IBD	3634	MM MM	TBD:: TBD	OBT.	TBD :: Land/TBD	TBD :: TBD	щ,
Soil Moisture 2013 AM_PM Salomonson 3021 BM <=556.:: 1/kμy, 1/wk 1 km:: Land/R MODIS AM_PM Salomonson 3020 AM <=556.::				HIRIS		Dozier	3019	M	5%:: 2%	1/wk, 1/mo	50 m :: Cryo/L	N/A :: Sfc	-
MODIS AM_PM Salomonson 3021 BM <=5% :: <=5% 1/dsy, 1/wk 1 km :: Land/R Soil Mosture 2965 MINIR PM TBD 3605 BM <=5% :: <=5%		SAOW COVE	30/3						50 :: 10	I/wk	I km :: Landil.	NIA :: Sfc	_
Soil Moisture 2965 MIMIN PM TBD 3605 BM <=556 :: <=556 1/day, 1/wk 10 km :: Land Soil Moisture 2965 MIMIN PM TBD 3605 BM 1/056 :: 556 1/(3 day) 3 km :: Land 60 km :: Land				Modis	T	Selomonson	3021	BM	<=5%::<=5%	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc	_
Soil Mostlare 2965 MIDMR PM TBD 3605 BM 1/73 day) 3 km :: Land/R				Modis	T	Salomonson	3020	¥	<=5%::<=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc	_
PM TBD 3605 BM 60 km :: Land		Soil Moisture	2962						10%::5%	11(3 day)	3 km :: LandIR	N/A :: Sfc	_
				MIMR		IBD	3605	BM			60 km :: Land	N/A :: Sfc	_

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	IDS Input Data Product		03	EOS Instrument	t Output Data Product		_	Accuracy	Temporal		
Investigator	4	Prod#	Instr.	Platforms	Investigator	Prod # Match	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Law	Soil Temperature	2501						0.5 K :: 0.5 K	11(3 day)	100 m :: Land/L	NIA :: Sfc
	•		ASTER	AMI	Kahle, Becker, Cl	2483	BM	1-6 K :: 0.3 K	1/(2-16 day)	90 m :: Land	N/A :: Sfc
Lau	Soil Temperature	2502						1 K :: 1 K	11(3 day)	I km :: Land/R	NIA :: Sfc
			MODIS	AM,PM	Wan	2484	BM	10::10	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc
			ASTER	AMI	Kahle, Becker, Cl	2483	AM	1-6 K :: 0.3 K	1/(2-16 day)	90 m :: Land	N/A :: Sfc
Lau	Swface Water Area	30€0						:: 001	I/wk	30 m :: Land/L	NIA :: Sfc
			ASTER	AMI	TBD CEL	3633	BM	TBD :: TBD	TBD	TBD:: Land/TBD	TBD :: TBD
Lau	Surface Water Area	3061						100 ::	I/wk	1 km :: Land/R	N/A :: Sfc
	•		ASTER	AMI	TBD	3633	BM	TBD:: TBD	TBD	TBD:: Land/TBD	TBD :: TBD
			MODIS	AM.PM	Strahler, Huete et	5669	AM-	10% :: 5%	1/mo, 1/seas	1 km :: Land	N/A :: Sfc
Lau	Temperature Profile	1578						1 K ::	I/day	100 km :: G	I km :: Trop
	•		AIRS	PM	Chedin, Fleming,	1588	BM	1.0 K :: 0.4 K	2/day [d,n]	15 x 50 - 50 x 50 km :: G	1,2 km :: Atmos
Lau	Topographic Elevation, Land sfc, (DEM)	2835						10 m :: 1 m	I/mission	10 m :: Land/L.R	NIA :: Sfc
			ASTER	AMI	Kahle, JGI	2828	BM	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc
Lau	Vegetation Evaporans	1788						10% :: 10%	1/day	I km :: LandiL	NIA :: Sfc
	•		ASTER	AMI	Schmugge	1791	M	1 mm/day :: 0.5 mm/day		90 m :: Lænd/R,L	N/A :: Sfc
Lau	Vegetation Evaporans, Actual, (AET)	1801						10% :: 10%	1/day	I km :: Landil	NIA :: Sfc
			ASTER	AMI	Schmugge	1621	Æ	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A:: Sfc
Lau	Vegetation Evaporrans, Actual, (AET)	1802						10% :: 10%	Hday	10 km :: LandiR	NIA :: Sfc
	•		ASTER	AMI	Schmugge	16/1	BM	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A :: Sfc
Lau	Vegetation Evapotrans, Potential	1804						10%::10%	Hday	10 km :: Land/R	N/A :: Sfc
			ASTER	AMI	Schmugge	1621	BM	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A :: Sfc
Lau	Vegetation Index, Leaf Area, (LAI)	2677						10% :: 10%	l/seas	I km :: LandIR	NIA :: Sfc
	,		MODIS	AM,PM	Running	2680	ВМ	0.1-0.25 :: 5-20%	1/day, 1/wk	pixel_size :: Land/G,R,L	N/A :: N/A
lau	Vegetation Type	2734							l/seas	30 m :: LandlL	NIA :: Sfc
			HIRIS	AM2	Wessman	2644	BM	10%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			HIRIS	AM2	Ustin et al	2746	ΑM	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Lau	Wind Speed	1739						0.5 m/s :: 2%	2/day	100 km :: G	NIA :: Sfc
			AIRS	PM	Aumenn	1718•	BM		1/day	50 km :: Ocean	N/A :: Sfc
			STIKSCAT	CHEM	Freilich	1679	¥	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near_Sfc
			MIMR	PM	TBD	3594	ΑM			39 km :: Ocean	N/A :: Sfc
Lau	Wind Stress	1743						0.01 ::		:: Осеан	N/A :: Sfc
			STIKSCAT	CHEM	Freilich	1746	BM			:: Ocean	:: Stc
			MIMR	PM	TB 0	3595	BM		1 mo	1 dg :: Ocean	N/A :: Sfc
			MIMR	PM	TBD	3594	ΨV			39 km :: Ocean	N/A :: Sfc
Lin	Cloud Cower	2055								:: Ocean	N/A :: Cloud
			MODIS	AM,PM	King	2081	BM	10% :: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud
			AIRS	M	Chahine, Chedin,	2062	₹	0.05 :: 0.025	2/day [d,n]	15 x 15 · 50 x 50 km :: G	N/A :: Cloud
			CERES	TRM,AM,PM	Barkstrom	2086	ΨV	5% :: 2%	6/day [d,n]	25 tm :: G	N/A :: Atmos
			MODIS	MM'MY	King	2082	W	10% :: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
			CERES	TRM,AM,PM	Barkstrom	2088	¥	5%:: 2%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
			GLRS-A	ALT	Spinhime	2078	VΨ	1%::	1/(2-16 day)	10-200 km :: G	N/A::
vi/	Cloud Spectral Char	2546							1	9 <i>:</i> :	N/A :: Cloud
	•		AIRS	PM	Chahine, Smith	2128	BM	0.05 :: 0.025	2/dsy [d,n]	15 x 15 - 15 x 45 km :: G	N/A:: Cloud
			MISR	WV	Diner		M	3%:: 1%	[variable] [d]	1.92 km :: G	N/A :: Trop
			ASTER	AMI	Kahle, Becker, So	2129	AM	N/A :: N/A	1/(0.5-16 day)	90 m :: Land/R,L	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Prod # Instr. Production Instructional Accusary Accusa		IDS Innut Data Deaduct						-				
Free Free	Investigator	Product Name	Dend #	1	Ξ١.	Cutput Data	Todact		Accuracy	Temporal	Horizontal	Vertical
11 12 12 13 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 14	5	Ti concertamine	* 20 !		_	Investigator	# Bol.	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Mail	**************************************	Humadusy Profile	1817						0.5 :: 0.5	11day	25 bm :: Ocean	0.5 ton :: Trop
Pricepiale Water 1866				AIRS	¥	Chedin, Fleming,	_	BM	10%:: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
Friedrich Wase 1866 MiDR PM TBD 1899 AM 55 - 134 1464 1664				AIRS	PM	Rosenicranz	3692	BM	20%:: 20%	2/day [d,n]	50 km :: G	2 km :: Atmos
MININE PM CHAPLE 1959 AM 265-34 249- [All 147] 148 148 149 AM 249- [All 249- [All 149 AM 249- [All	Tin	Precipitable Water	1866						0.5::0.5	1/day	25 km :: Ocean	Column Tron
AIRS PM Check Perms 1859 AM 567; 578; 578; 579; 570; 570; 570; 570; 570; 570; 570; 570				MIMR	PM	TBD	3596	BM		7	22 km :: Ocean	Column Tron
NOIS PM Nome 157 AM 2 mm			AIRS	PM	Chedin, Fleming.	1869	₹	5%:: 3%	2/day [d.n.]	50 km : G	N/A :: Tron	
NOTICE N				AIRS		Rosenkranz	3693	W	2 mm :: 1 mm	2/day [d,n]	50 km :: G	N/A :: Tron
NUMBA PM TRD SO BM T. T. T. T. T. T. T. T				MODIS		Menzel	1875	¥	10 mm :: 5 mm	2/day	S km :: G	N/A :: Atmos
Marco Marc	Liu	Precipitation Amount, Rain	1973						1::1	2/day	25 km :: Ocean	N/A Tron
Single Fine Content (SST) 217 MODIS AMPPH Reven 229 BM 0.2048; 0.13.0 IJahr, Ihar, Ilmo IMON MALPH Reven 229 BM 0.2048; 0.13.0 IJahr, Ihar, Ilmo IJahr, Ilmo				MIMR		TBD	3600	BM			22 km :: Global	N/A :: Sfc
MODIS AALPA Breen 2559 BM 0.1045K : 0.103K 1169; 1944; 18ms MODIS AALPA Breen Bate 2577 BM 0.2046; 0.103K 1169; 1944; 18ms MODIS AALPA Breen Bate 2577 BM 0.1045K : 0.104 MODIS AALPA Breen Bate 2577 AAL 1049; 1944; 18ms MODIS AALPA Breen Bate 2577 AAL 1049; 1944; 18ms MODIS AALPA Breen Bate 1048; 0.104 MODIS AALPA Breen Bate 1048; 0.104 MODIS AALPA MODIS AALPA Breen Bate 1048; 0.104 MODIS AALPA AALT ALT Residue 1040 MODIS AALPA MODIS AALPA MODIS AALPA MODIS AALPA AALT AALT Residue 1040 MODIS AALPA MODI	Lin	Sea_sfc Temperature (SST)	25.17						05::05	477	D:: #407	MA S.C.
MODIS AMPM Brown 2357 BM 0.3.0.65(0.0.0.3)K 11.0.0.0.1.m.				MODIS		Brown	2529	M	03.06K ·· 01.03K	1/dev 1 Auk 1 Amo	4 1	MIA SC-
Toppedate Pofile 1577 AIS PM Breen 2257 AM 0.3.0.5 K : 0.1-0.3 K 10.0.1			_	MODIS	Τ	Brown, Barton	2530	Æ	03-06K · 01-03K	1/dev 1/wk 1/mo	4 Vm :: Oceanor I	N/A :: SIC
Toppgraphic Elevation, Star. 5fc 1/13 Alix				MODIS	AM.PM	Вгомп	2527	M	0.1-0.5K ·· 0.1-0.3K	1/day 1/wk, 1/mo	1 Les :: OceanyR,L	N/A :: SIC
AIRS PM Check, Frainty 138 BM 10 K; 10 K; 10 K 10 K 10 K; 10 K 10 K	Liu	Temperature Profite	1570						A C.O. D. C.O. C.O.	1/UM), 1/WK, 1/III0	I km :: Occarvi	N/A :: Sic
Topographic Elecaton, Sca. 3c. 3123 ALT ALT Fig. 3100 BM Som et al ::				ATDG	7.6		<u> </u>	1	C0:::C0	1/day	25 km :: Ocean	0.5 km :: Trop
Mind Speed, Seq. 3ft		F		25	Σ	Chedin, Fleming,	_	RM	1.0 K :: 0.4 K	2/day [d,n]	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos
Miles Mile	7	I opograpne Elevaton, Sea_gc	3123						3 ст.: 3 ст		:: Осеан	N/A :: S/c
Wind Drection 1703 ALT ALT FR 3112 AM 10cm::				ALT		æ	3108	BM	Scm ct al ::	1/(16 day)	25 km :: Ocean	N/A :: Sfc
Wind Direction 1702 STRISCAT CHEM Feeligh 1869 BM 10 dg :: 10 dg 11/10 dg Wind Speed, Son_3fe 1713 STRISCAT CHEM Feeligh 1869 BM 1: 10%; 16 dg 1/10 dg Arized CHEM Feeligh 1869 BM 1: 10%; 16 dg 1/10 dg Arized CHEM Feeligh 1889 AM 1889 1/10 dg Arized CHEM Feeligh 1889 AM 1806, 16 dg 1/10 dg Arized Concol 1888 AM 1889 AM 1/10 dg Arized Arized AM 1888 AM 1889 1/10 dg Arized Arized Concol 1118 AM AM 1/10 dg Arized Arized Concol 1118 AM AM 1894 1/10 dg Concol 1118 AM AM 112 dg AM 1/10 dg 1/10 dg Concol 1118				ALT		균	3112	₩	10 cm ::		7 km :: Ocean	N/A :: Sfc
Fig. 10 Fig. 1 Fig. 2 Fig. 3 Fig. 4	3	Wind Direction	1702						10 dg :: 10 dg	Ilday	25 km :: Ocean	NIA :: Sfc
Wind Speed, Sea 3¢ T/118 TIMES PM Feminat 1/18 AM 1/12 (ab) Indep 1/12 (ab) Acrosol Cone 1004 MMR PM Amma 1718 AM 1/12 (ab) 1/12 (ab				STIKSCAT		Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near Sfc
Alice Freiich 1680 BM ::10%.16 6g 1/(2 dy) į	Wind Speed, Sea_sfc	1713						1::1	I/day	25 km :: Ocean	N/A :: S/c	
Addition PM Alternation 1718* AM Iday Iday Acrosol Conc 1008 HRIS AM2 Gertal 2292 AM- 0.055::01 1/(2 day) Acrosol Conc 1009 HRIS AM2 Gertal 2292 AM- 0.055::01 1/(2 day) Acrosol Conc 1118 AM3R AM2 Gertal 2292 AM- 0.055::001 1/(2 day) CO Conc 1118 AM Dimerranced 1229 AM- 0.055::001 1/(2 day) CO Conc 1118 AM Dimerranced 1126 AM- 0.055::001 1/(2 day) Acrosol Conc 1118 AM Certal 2292 AM- 0.055::001 1/(2 day) CO Conc 1118 AM AM- AM- 0.055::001 1/(2 day) AMDTT AMIS PM Revercomb, Start 1134 AM 10-05::054 1/(4 day) [1] Cloud Rediction 2307 AM- 10-05::056				STIKSCAT		Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near Sfc
MINTS				AIRS	ĺ	Aumann	1718•	¥		1/day	50 km :: Ocean	N/A :: Sfc
Acrosol Conc 1006 HIRIS AMZ General 2292 AM 6055::001 1/(2-16 day) Acrosol Conc 1009 HIRIS AMZ General 2292 AM 0.050::001 1/(2-16 day) Acrosol Conc 1118 AMZ General 2292 AM 0.050::001 1/(2-16 day) CO Conc 1118 AMZ General 2292 AM 0.050::001 1/(2-16 day) CO Conc 1118 AMZ General 2292 AM 0.050::001 1/(2-16 day) CO Conc 1118 AMZ General 2292 AM 0.050::001 1/(2-16 day) AB AB 1126 AM AM 0.050::010 1/(2-16 day) 1/(2-16 day) AB AB AB 1124 AM 0.050::010 1/(2-16 day) 1/(2-16 day) Cloud Cover ABS ABM Reverecomb, Stro 1136 AM 1.076 1/(4-3) [7] Cloud Cover ABS AMIS<				MIMR		TBD	3594	Ψ¥			39 km :: Ocean	N/A :: Sfc
HIRLS AM2 Geral 2292 AM- 0.05:::0.01 1/(2-16 day)	Moore	Aerosol Conc	8001						50% ::	11(2 day)	I km:: G	
MISR				HIRIS		Gerstl	2292	ΑÄ	0.05 :: 0.01	1/(2-16 day)	100m::L	Column :: Aimos
Aurosol Conc 1009 HIRIS AM2 Gerati 2292 AM. 50%::: 1/12 day) CO Conc 1118 AM2 Gerati 2292 AM. 0.05:::0.01 1/(2-16 day) CO Conc 1118 AM Deptit AM C-5%:::310% 1/(04.6)[?] 1/(04.6)[?] CO Conc 1118 AM O William Water 1124 AM C-5%:::310% 1/(04.6)[?] AIRS PM Revercomb, Sirce 1134 AM C-5%:::310% 1/(04.6)[?] 1/(04.6)[?] AIRS PM Revercomb, Sirce 1134 AM C-5%:::310% 1/(04.6)[?] 1/(04.6)[?] Cloud Cover 2057 MOPIT AMI Revercomb, Sirce 1134 AM 1.06*::10% 1/(04.6)[?] ASTER AMI Welch 2081 BM 1.06*::10% 1/(04.6)[?] AIRS PM O-1000 AM 1.06*::10% 1/(04.6)[] 1/(04.6)[] AIRS PM O-1000 AM 1.06*::10% 1/(04.6)[]				MISR		Dina	2298	ΑÄ	0.05/10% :: 0.05/10%	1/(5-16 day) [d]	1.92 km :: R	Column :: Atmos
CO Conc 1118 AM2 Gestil 2292 AM- 0.05::001 1/(2-16 day) CO Conc MOPTT AM15 AM15 AM15 AM2 C=5%::10% 1/(0.4 s) [?] ALRS MOSTT AM15 MO Watercomb, Stroy 1136 AM c=5%::310.8 2/(day) [d.] ARS MOSTT AM18 PM Revercomb, Stroy 1137 AM c=5%::310.8 2/(day) [d.] ARS MODIS AM2PM Revercomb, Stroy 1137 AM c=5%::310.8 1/(4 s) [?] ASTER AM10 Doumnood 1137 AM c=5%::340.8 1/(4 s) [?] ASTER AM10 MODIS AM18 Mocht 2081 AM 1/(4 s) [?] ASTER AM18 AM2 Weekh 209 AM 1/(4 s) [?] 1/(4 s) [?] Cloud Rodinsion 2350 MODIS AM2 Weekh 207 AM 1/(4 s) [.] 1/(4 s) [.] AARS PM Chackin, Severy </td <td>Moore</td> <td>Aerosol Conc</td> <th>6001</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td>50% ::</td> <td>11(2 day)</td> <td>30 m :: L</td> <td></td>	Moore	Aerosol Conc	6001						50% ::	11(2 day)	30 m :: L	
CO Conc 1118 MOPTIT AMIS Description 1126 BM 25%::10% 1/(0.4.9)[?] MLS MOPTIT AMIS MOPTIT AMIS NA <-5%::310%				HIRIS		Gerstl	2292	Ā	0.05 :: 0.01	1/(2-16 day)	100 m :: T	Column :: Atmos
MOPIT	Moore	CO Conc	8///						25% :: 10%	IIday	100 km :: G	:: Trop
MLS MOPTIT AM1 Reveroomb, Stroy 1136 AM c=556::3x10-8 2/day [d,n]				MOPITT		Drummond	1126	BM	:: 10%	1/(0.4 s) [?]	22 km :: G	3-4 km:: 0-15 km
AIRS PM Reveroomb, Stroy 1136 AM 10 - 20 :: 6 · 15 2,day [d.n]				MLS		Waters		ΑM	<=5%:: 3x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE. 60 km
Cloud Cover 2057 AMPIT AMI Drummond 1137 AM :: 10% 1/(4 s) [?] I/(4 s) [?] Cloud Cover 2057 MODIS AMPM King 2081 BM 10%::: 10% 1/(16 day) 1/(16 day) ASTER AMPM King 2080 AM 3%::: 3% 1/(16 day) 1/(16 day) ASTER AMPM Weeth 2080 AM 3%::: 3% 1/(16 day) 1/(16 day) ASTER AMPM MoDIS AMPM Meth 2099 AM 1/(15 day) 1/(16 day) ASTER AMPM MoDIS AMPM Meth 2012 AM 1/(15 day) 1/(16 day) ASTER AMPM MoDIS AMPM Metael 2126 BM 1/(15 day) 1/(16 day) ASTERS TRMAAM,PM Bartstrom 2147 AM 25%:::10% 1/(40y) 1/(40y) ASTERS TRMA,PM Metael 1334 AM 5::10% 2/(40y) 1/(40y				AIRS		Reversomb, Strow		Ψ	10-20::6-15	2/day [d,n]	50 - 250 km :: G	Column :: Atmos
Cloud Cover 2057 AMDIS AM, PM King 2081 BM 10%:: 10% 1/mk 1/mk ASTER AM, PM King 2081 BM 10%:: 5% 2/day [d_n], 1/mo 2/day [d_n], 1/mo Cloud Radiation 2360 AM, PM Weekh 2080 AM 1/6: 6.day) 1/(16.day) Cloud Radiation 2360 AMDIS AM, PM Merzel 2126 BM 1/6%:: 10% 1/(1.3 min), 1/(2.16 day) AIRS PM Chabine, Smith 2128 BM 0.05:: 0.05 2/day 1/(1.4 min), 1/(2.16 day) O3 Conc 1309 AM, MA, MA, MA, MA, MA, MA, MA, MA, MA,				MOPITT		Drummond	1137	ΑM	:: 10%	1/(4 s) [?]	66 km :: G [dy]	Column :: Atmos
MODIS AM, PM King 2081 BM 10%::5% 2ddy [d.n], 1/mo	Moore	Cloud Cover	2027						10%:: 10%	I/wk	I km :: G	
Cloud Radiation 2360 AMIS AMD Weekh 2080 AM 1%::0.5% 1/(1.3 min), 1/(2.16 day) Cloud Radiation 2360 MODIS AMPM Meeth 2079 AM 1%::0.5% 1/(1.3 min), 1/(2.16 day) AIRS PM CRRES TRM,AM,PM Merzel 2126 BM 0.10::0.05 2/day 1/wt O3 Conc 1309 AIRS PM Chedin, Reveron 1332* AM 5.15%::1.0% 1/day 1/day MODIS AMPM Merzel 1334 AM 15.20DU:: 10DU 1/day 1/day HIRDLS CHEM Bernett, Gille 1318 AM 5.10%:: 1.10% 2/day [d.n]				MODIS		King	2081	BM	10% :: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud
Cloud Radiation 2360 HRUS AM, PM Metch 2079 AM 1%::0.5% 1/(1.3 min), 1/(2.16 day) Cloud Radiation 2360 MODIS AM, PM Merzel 2126 BM 0.10::0.05 2/day 1/wt AIRS PM CERES TRM, AM, PM Bertstrom 2147 AM 0.05::0.025 2/day 1/day 1/day<				ASTER		Welch	2802	¥	3%:: 3%	1/(16 day)	90 m :: L	N/A :: Cloud
Cloud Radiation 2360 AM, PM Merized 2126 BM 10%.: 10% 1/wh AIRS AIRS PM CERES TRM, AM, PM Bartstrom 2147 AM 0.05:: 0.025 2/day 2/day O3 Conc 1309 AIRS PM Chedin, Revertor 1332* BM 5-15%:: 10% 1/day 1/day MODIS AM, PM Merized 1334 AM 15-20DU:: 10DU 1/day, 1/mo 1/day, 1/mo HIRDLS CHEM Barnett, Gille 1318 AM 5-10%:: 1-10% 2/day [d.n]				HIRIS		Welch	2079	¥	1%::0.5%	1/(1-3 min), 1/(2-16 day)	30 m :: L	:: Cloud
MODIS AM,PM Merzel 2126 BM 0.10:: 0.05 2/day 2/day CERES TRM,AM,PM Bartstrom 2147 AM 25%:: 10% 1/day Avg , 1/mo [Avg , 1/mo [Avg], 1/mo [A	Moore	Cloud Radiation	2360						10% :: 10%	I/wk	I km:: G	:: Cloud
AIRS PM Carbine, Smith 2128 AM 0.05 :: 0.025 2/day [d.n] CERES TRM,AM,PM Bartetrom 2147 AM 25% :: 10% 1/day Avg], I/mo [Avg] AIRS PM Chedin, Reveron 1332 BM 5-15% :: 3-10% 2/day [d.n] MODIS AM,PM Merzel 1334 AM 15-20DU :: 10DU 1/day, I/mo HIRDLS CHEM Barnett, Gille 1318 AM 5-10% :: 1-10% 2/day [d.n]				MODIS		Menzel	2126	BM	0.10:: 0.05	2/day	5 km :: G	N/A :: Cloud
O3 Conc 1309 CERES TRM,AM,PM Barkstrom 2147 AM 25%::10% 1/day [Avg], 1/mo [Avg] A1RS PM Chedin, Reversor 1332* BM 5-15%::3-10% 2/day [d.n] MODIS AM,PM Merzel 1334 AM 15-20DU::10DU 1/day, 1/mo HIRDLS CHEM Barnett, Gille 1318 AM 5-10%::1-10% 2/day [d.n]				AIRS		Chahine, Smith	2128•	¥	0.05 :: 0.025	2/day [d,n]	15 x 15 - 15 x 45 km :: G	N/A :: Cloud
O3 Conc 1309 AIRS PM Chedin, Reverond 1332* BM 5 · 15% :: 10% 2/day [d.n] MODIS AM.PM Merizel 1334 AM 15-20DU :: 10DU 1/day, 1/mo HIRDLS CHEM Barnett, Gille 1318 AM 5-10% :: 1-10% 2/day [d.n]				CEKES	TRM,AM,PM	Barkstrom	2147	¥	25%:: 10%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	lyr :: Atmos
PM Chedin, Reveroor 1332* BM 5-15%::3-10% 2/day (dn) AM.PM Merzel 1334 AM 15-20DU::10DU 1/day, 1/mo CHEM Barnett, Gille 1318 AM 5-10%::1-10% 2/day (dn)		O3 Conc	1309	-			3334.		25% :: 10%	1/day	100 km :: G	:: Asmos
CHEM Barnett, Gille 1318 AM 5-10%::1-10% 2/day [d.n]				AIKS	7	Chedin, Revercon		BM	5-15%::3-10%	2/day [d.n]	50 km :: G	Column :: Atmos
CHEM Barnet, Citie 1318 AM 5-10%; 1-10% 2/day [d,n]				MODIS	Т	Menzel	13%	₹ :	15-20DU :: 10DU	1/day, 1/mo	0.5 dg :: G	Column :: Atmos
				HIKULS	٦	Barnett, Gille	1318	¥	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

IDS Input Data Product	_	វ								
Investigator Product Name	Prod#	Instr.	Platforms	Investigator Prod # Match	Prod#	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Moore 03 Conc	1309	TES	СНЕМ	Beer	1324	ΑM	:: 3 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
		TES	CHEM	Bear	1325	¥	:: 13 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
		SAGE-III	AERO,CHEM	McCormick	1321	AM	6%::5%	1/(2 min), 30/day	<2 x <1 dg :: Polar	1 km :: 6-85 km
Moore PAR	2328						20% :: 10%	Ilday, Ilwk	30 m :: LandiL	
		HIRIS	AM2	Ustin, Wessman	2030	BM	25% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore PAR	2329						20% :: 10%	11day, 11wk	500 m :: Land/R	
		MODIS	AMPM	Tarre	2268	BM M	200:: 5 - 20%	1/day, 1/wk	1 km :: G,R	N/A :: Atmos
		MODIS	AM,PM	Esains	2330	¥	TBD:: TBD	1/day	N/A :: G	N/A :: Atmos
Moore Pigment Conc, Non-photosynthetic	ic 2695						20% :: 20%	11(16 day)	I km :: Land/R	:: Sfc
		HIRIS	AM2	Wessman, Aber	2648	Ϋ́	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
		HIRIS	AM2	Wessman, Aber	2687	Ą.	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore Piement Conc. Non-photosynthetic	ic 2696						20% :: 20%	11(16 day)	30 m :: LandlL	:: S/c
		HIRIS	AM2	Wessman, Aber	2648	Α̈́	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
		HIRIS	AM2	Wessman, Aber	2687	À.	40%:: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore Precipitation Amount, Rain	1974						10% :: 10%	I/wk	I km :: G	
		ARS	PM	Susskind	1969•	BM	Zmm/day :: 1mm/day	2/day [d,n]	50 km :: G	N/A:: Trop
		AIRS	Md	Staclin	3694	¥	Zmm/hr :: 1mm/hr	2/day [d,n]	50 km :: G	N/A :: Trop
		MIMR	M	TBD	3600	¥			22 km :: Global	N/A :: Sfc
Moore River Floodplain Extent	2915						20% :: 20%	I/wk	1-25 km :: Land	
		GLRS-A	ALT	Schutz et al	2858	¥	100-500mm ::	1/wk, 1/yr	0.1-10 km :: Land	100-500 mm :: Sfc
Moore Snow Lie-water Content	3027							I/wk	I km :: Land	:: S/c
		HIRIS	AM2	Dozier	2943	BM	100%:: 100%	1/wk, 1/mo	50 m :: Snow/L	N/A :: Sfc
Moore Soil Extent	2800						15%:: 15%	liye	I km :: Land	:: 2/c
		ASTER	IW4	Kahle, Gillespie	2803	BM		50 maps/mission	90 m :: Land/R,L	N/A :: Sfc
		ASTER	AMI	Gillespie	2801	BM		50 scenes/mission	15 m :: Land/R.L	N/A :: Sfc
		MODIS	AM,PM	Strahler, Huete et	5669	W	10% :: 5%	1/mo, 1/scas	1 km :: Land	N/A :: Sfc
Moore Soil Moisture	2962			_			30% :: 30%	Ilwk, Ilmo	1-25 km :: Land	:: 3/c
		MIMR	PM	TBD	3605	BM			60 km :: Land	N/A :: Sfc
Moore Topographic Elevation, Land sfc	c 2827						Im::			:: S/c
		MISR	WY	Diner	2846*	BM	100 m :: 100 m	1/mission	500 m :: Land	N/A :: Sfc
		ASTER	AMI	Kahle, JGI	2828	ΑM	>50 m :: >30 m	1/mission	15 m :: Land/R,L	30 m :: Sfc
Moore Vegetation Biomass, Green	2618						40% :: 15%	11(2-16 day)	500 m :: Land/R	:: \$/c
		HIRIS	AM2	Ustin, Wessman	2620	BM	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
Moore Vegetation Biomass, Green	2619						40%:: 15%	11(2-16 day)	30 m :: LandlL	:: S/c
		HIRIS	AM2	Ustin, Wessman	2620	BM	30% :: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore Vegetation Cellulose Conc	2647						20% :: 20%	11(16 day)	30 m :: LandiL	
		HIRIS	AM2	Wessman, Aber	2648	BM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore Vegetation Chlorophyll Conc	2649						20% :: 10%	IIday. IIwk	30 m :: Landil	
•		HIRIS	AM2	Ustin, Wessman	2653	BM	25%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
Moore Vegetation Chlorophyll Conc	2650						20%:: 10%	IIday, IIwk	I km :: LandIR	:: 5/c
		HIRIS	AM2	Ustin, Wessman	2653	BM	25% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore Vegetation Evapotrars	3057						20% :: 20%	IIday, IIwk	500 m :: R	:: 2/c
		ASTER	AMI	Schmugge	1791	BM	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A :: Sfc
Moore Vereistion Evapolitaris	3058						20% :: 20%	Ilday, Ilwk	30 m :: L	<i>></i> /S ::
		ASTER	AMI	Schrmgge	1791	BM	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A :: Sfc
Moore Vegetation Extent	1272						15% :: 15%	liye	I bm :: Land	:: S/c
		MODIC	MM MM	Chrabler Hinese at	9460	Ma	104 Sq.	1 Amo 1 femar	bas I and I	A114 OC.

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

HIRIS	ਵ	_		Horizontal	Vertical
HIRIS	. 1		Resolution	Resol :: Cover.	Resol :: Cover.
HIRIS	Justice, Hucte et a		1/day, 1/wk, 1/mo	1 km :: Land/R	N/A :: Sfc
HIRIS AM2 Westman, Goct 2761 BM	Ustin, Wessman		1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
HIRIS			IIday, IIwk	30 m :: Land/L	:: 5/6
HIRLS	Wessman, Goetz		1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
HIRLS		20% :: 20%	1/(16 day)	30 m::Land/L	
MODIS	Wessman, Aber		1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
MODIS					:: 5/c
MODIS	Wan		1/day, 1/wk	1 km :: Land/R	N/A :: Sfc
MODIS AM_PM Strabler, Huere et 2569 BM MODIS AM_PM Justice, Huere et 2750 AM MODIS AM_PM Justice, Huere et 2751 AM HIRIS AM_PM Messman, Goetz 2761 AM HIRDLS CHEM Bament, Gille 1992 BM SAGE-III AERO, CHEM McCormick 1012 AM HIRDLS CHEM Bament, Gille 1992 BM ASTER AMI Pieri 1992 AM MODIS AMP M Coerst 2298 AM MODIS AMP M Kaufman, Tane 1017 BM MODIS AMP M Kaufman, Tane 1017 BM MODIS AMP M Kaufman, Tane 1017 BM MISR AMI Pieri 3301 BM MIS MO Waters 1189 AM MIS MO Waters 1189 AM	Kahle, Becker, Cl		1/(2-16 day)	90 m :: Land	N/A :: Sfc
MODIS AM.PM Strabler, Huete et a 2750 BM MODIS AM.PM Justice, Huete et a 2750 AM MODIS AM.PM Justice, Huete et a 2751 AM HIRDLS CHEM Bamett, Gille 1992 BM HIRDLS CHEM Bamett, Gille 1992 BM SAGE-III AERO, CHEM McCormick 1012 AM HIRDLS CHEM Barnett, Gille 1992 AM ASTER AMI Pieri 1992 AM MODIS AMPP Kaufman, Tane 1017 BM ASTER AMI Pieri 3301 BM MODIS AMPP Kaufman, Tane 1017 BM ASTER AMI Pieri 3301 BM MIS MO Waters 1189 AM MIS MO Waters 1189 AM MIS AMI Pieri 3301 BM ASTER AMI Pier		15%::15%	11)*	I km :: Land	:: 5/c
MODIS	Strahler, Huete et		1/mo, 1/scas	1 km :: Land	N/A :: Sfc
HIRIS	Justice, Hucte et a		1/day, 1/wk, 1/mo	0.5 km :: Land/R	N/A :: Sfc
HIRDLS CHEM Barnett, Gille 1992 BM SAGE-III AERO,CHEM McCormick 1012 AM SAGE-III AERO,CHEM McCormick 1012 BM HIRDLS CHEM Barnett, Gille 1992 AM HIRDLS CHEM Barnett, Gille 1992 AM ASTER AMI Pheri 3301 BM HIRLS AM2 Cersul 2292 AM HIRLS AM2 Cersul 2292 AM ASTER AMI Pheri 1017 BM MLS AMP Kutfman, Tinre 1017 BM MLS MO Witers 1188 AM MLS MO Witers 1188 AM ASTER AMI Pheri 3301 BM- TES CHEM Beer 3638 BM AM ASTER AMI Pheri 1017 BM TES CHEM Beer 1301 BM- TES CHEM Beer 1301 BM- TES CHEM Beer 1301 BM- TES CHEM Beer 1300 BM- TES CHEM Beer 1300 BM- MLS MO Witers 1300 BM- TES CHEM Beer 1300 BM- TES CHEM Beer 1300 BM- TES CHEM Beer 1300 BM- MLS MO Witers 1300 BM- TES CHEM Beer 1300 BM- TES CHEM Beer 1300 BM- MLS MO Witers 1300 BM-	Justice, Huete et a	_	1/day, 1/wk, 1/mo	1 km :: Land/R	N/A :: Sfc
HIRLS		20% :: 20%	IIday, IIwk	30 m :: LandiL	3/5::
HIRDLS CHEM Barnett, Gille 1992 BM	Wessman, Goetz		1/(2-16 day)	30 m :: Land/L	N/A :: Sfe
HIRDLS CHEM Barnett, Gille 1992 BM			IIwk	9::	Strai
SAGE-III AERO,CHEM McCormick 1012 AM SAGE-III ARRO,CHEM McCormick 1012 BM HIRDLS CHEM Barnett, Gille 1992 AM ASTER AMI Pheri 3301 BM MISR AMZ Gerstl 2298* AM MODIS AM,PM Kaufman, Tane 1017 BM ASTER AMI Pheri 3301 BM MLS MO Waters 1188 AM MLS MO Waters 1188 AM MLS MO Waters 1188 AM ASTER AM Diner 3286* BM ASTER AM Diner 3286* BM ASTER AMI Peri 3301 BM ASTER AMI Peri 3301 BM TES CHEM Beer 1370 BM TES CHEM Beer	ü		6 2/day [d,n]	4 x 4 dg :: G	1 km :: 7-30 km
SAGE-III			3/1	<2 x <1 dg :: G	1 km: 040 km
HIRDLS CHEM McCormick 1012 BM			I/wk	9::	Tron
HIRDLS CHEM Barnett, Gille 1992 AM ASTER AMI Pieri 3301 BIM MISR AM Diner 2293 AM MODIS AM-PM Kaufman, Tane 1017 BIM ASTER AMI Pieri 3301 BIM TES CHEM Beer 3538 BIM MLS MO Waters 1189 AM ASTER AMI Pieri 1187 AM GLRS-A ALT Spinhime et al 1014 AM TES CHEM Beer 13301 BIM TES CHEM Beer 1370 BIM			1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 0-40 km
MISR	Barnett, Gille			4 x 4 dg :: G	1 km :: 7-30 km
MISR		l bm ::	"	I km :: Landil	NIA :: Plume col
HIRIS	Pieri			15,30,90 m:: R/L	
HIRIS	Diner		10% 1/(5-16 day) [d]	1.92 km :: R	Column :: Atmos
MODIS	Gerstl	_	1/(2-16 day)	100 m :: L	Column :: Atmos
ASTER			I/day	I km :: Land/R	N/A :: Plume col
ASTER AMI Pieri 3301 BM.	Kaufman, Tanre	4	1/day.1/mo	0.5 dg :: G,R	N/A :: Atmos
TES CHEM Beer 3638 BM MLS MO Witers 1188 AM MLS MO Witers 1189 AM SAFIRE MO Russell 1187 AM MLSR AM Diner 3286° BM GLRS-A ALT Spinbirne et al 1014 AM ASTER AM Pieri 3301 BM- TES CHEM Beer 1370 BM MLS MO Waters 1369 AM TES CHEM Beer 1370 BM TES CHEM Beer 1370 BM MLS MO Waters 1369 AM MLS MO Waters 1369 AM MLS MO Waters 1369 AM	Pieri			15,30,90 m :: R/L	
TES CHEM Beer 36.38 BM			1/day	9::	NIA :: Plume col
MLS MO Waters 1188 AM MLS MO Waters 1189 AM SAFIRE MO Russell 1187 AM MISR AM Diner 3286* BM GLRS-A ALT Spinhime et al 1014 AM ASTER AMI Peri 3301 BM TES CHEM Beer 1370 BM MLS MO Waters 1369 AM TES CHEM Beer 1370 BM MLS MO Waters 1369 AM	Beer	ВМ	1/(16 day)	16 x 5 km :: L	
MI.S MO Waters 1189 AM	Waters	\dashv		0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 90 km
SAF-IKE MO Russell 1187 AM MISR AM Diner 3286* BM GLRS-A ALT Spinhime et al 1014 AM ASTER AMI Pieri 3301 BM- TES CHEM Beer 1370 BM MLS MO Waters 1369 AM MLS MO Waters 1370 BM MLS MO Waters 1370 BM MLS MO Waters 1369 AM	Waters	4	_	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 80 km
MISR AM Diner 3286* BM GLRS-A ALT Spinhime et al 1014 AM ASTER AMI Pieri 3301 BM- TES CHEM Beer 1370 BM MLS MO Waters 1369 AM TES CHEM Beer 1370 BM MLS MO Waters 1369 AM MLS MO Waters 1369 AM	Russell	\downarrow	n) 1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-65 km
ASTER			l/day	I km :: Land/R	NIA :: Plume cot
ASTER AMI Peri 3301 BM- TES CHEM Beer 1370 BM MLS MO Waters 1370 BM TES CHEM Beer 1370 BM MLS MO Waters 1369 AM MLS MO Waters 1369 AM	Dine			500 m :: Land/L	N/A :: Plume_top
ASTER AMI Piert 3301 BM- TES CHEM Beer 1370 BM MLS MO Waters 1369 AM TES CHEM Beer 1370 BM MLS MO Waters 1369 AM	Spinhime et al		1/(2-16 day)	2-200 km :: G	75 m :: Atmos
ASIEK AMI Peri 3301 BM- TES CHEM Beer 1370 BM MLS MO Waters 1369 AM TES CHEM Beer 1370 BM MLS MO Waters 1369 AM			2/day [d.n]	100 m :: R	NIA :: Plume col
TES CHEM Beer 1370 BM MLS MO Waters 1369 AM TES CHEM Beer 1370 BM MLS MO Waters 1369 AM	મુલ્લ	1	\dashv	15,30,90 m :: R/L	
15.5 CHEM Boot 1370 BM	-		(new-real time ?)	I km:: G	N/A :: Plume col
MLS MO Waters 1369 AM	Beer		1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
TES CHEM Boer 1370 BM MLS MO Waters 1369 AM	Waters		2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2]:: TPSE, 30 km
TES CHEM Beer 1370 BM MLS MO Waters 1369 AM			11day	1 km :: G	N/A :: Plume col
MLS MO Waters 1369 AM	Beer		1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
	Waters		2/day [d.n.]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 30 km
				100 m :: LandiL	NIA :: Sfc
ASTEK AMI Kanle, Becker, Cf. 2483 BM 1-6 K:: 0.3 K	Kahle, Becker, Ch		1/(2-16 day)	90 m :: Land	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Investigator Product Name		Š					() = ()			
C	Prod #	Instr.	Platforms	Investigator	Prod # Match	fatch	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Moueinis-Mark Lava-Flow Advance Rate	3262		333				30 m(hor) ::	2/day [d.n.]	30 m :: Land/L	N/A :: Sfc
	4	ASTER	IMV	Kahle, Becker, Ch	2483	BM	1-6K:: 0.3 K	1/(2-16 day)	90 m :: Land	N/A :: Sfc
		HIRIS	AM2	Rowan, Goetz	3299	AM		1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
	1	HIRIS	AM2	Rowan, Goetz	3294	AM.	10 C :: 5 C	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
Mouginis-Mak Lava-Flow Areal Change	3266						(30m)^2 ::	21day [d.n.]	30 m :: Land/L	NIA :: Sfc
,	•	ASTER	AMI	Kahle, Becker, Ch	2483	BM	1-6 K :: 0.3 K	1/(2-16 day)	90 m :: Land	N/A :: Sfc
		HIRIS	AM2	Rowan, Goetz	3299	WV		1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
	·	HIRIS	AM2	Rowan, Goetz	3294	VΜ	10C:: \$C	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Mousinis-Mark Lava-Flow Temperature	3292						10 C ::	21day [d.n]	30 m :: Land/L	NIA :: Sfe
		ASTER	AMI	Kahle, Becker, Cl	2483	BM	1-6K:: 0.3 K	1/(2-16 day)	90 m :: Land	N/A :: Sfc
	_	HIRIS	AM2	Rowan, Goetz	1	₹	10C:: 5C	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Mousinis-Mark Temperature PBL	3302							Ilday	30 m :: Land/R	NIA :: Plume col
		ASTER	AMI	Pieri	3301	BM.	variable :: variable		15,30,90 m:: R/L	
		GLRS-A	ALT	Spinhime et al	1514	BM	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Trop
Mousinis-Mark Volcono Deformation	3269						I cm(ver) ::	liday	cm [7] :: [30 hm'2/10]	NIA :: Sfc
		GLRS-A	ALT	Schutz et al	3271	BM	5/yr-100/d ::	1/day, 1/yr	1 km :: Land/L	:: Sfe
Mousinis-Mark Volcano Elevation Change	3274						1-5 (40) ::	2/day [d.n]	30 m :: Land/L	NIA :: Sfc
		GLRS-A	ALT	Schutz et al	1726	BM	5/yr-100/d::	1/day, 1/yr	1 km :: Land/L	:: Sfc
Mousinix-Mark Volcano Elevation Change	3278						10 m(ver) ::	llevent	30 m :: Land/L	NIA :: Sfc
		GLRS-A	ALT	Cohen, Schutz a	2831	BM M	5 mm/yr ::	1/yr	100-900 km :: Land/R	:: Sfc
Mousinit-Mark Volcano Elevation. Reference	3276						10 m(ver) ::	Ilmission	30 m :: Land/L	NIA :: Sfc
		ASTER	AMI	Kahle, JGI	2828	BM	>50m::>30m	1/mission	15 m :: Land/R.L.	30 m :: Sfc
		MISR	AM	Diner	2846*	₩¥	100 m :: 100 m	1/mission	500 m :: Land	N/A:: Sfc
Mousinis-Mark Volcano Moreholory	3284							*(1)	30 m :: Land/L	NIA :: Sfc
		GLRS-A	ALT	Schutz et al	2858	BM	100-500mm ::	1/wk, 1/yr	0.1-10 km :: Land	100-500 mm :: Sfc
		GLRS-A	ALT	Cohen, Schutz et	2831	ΑM	5 mm/yr ::	1/yr	100-900 km :: Land/R	:: Sfe
Mouginis-Mark Volcano Roughness	3287						3-24 cm ::	Ilyr	30 m :: LandiL	NIA :: Sfc
		MODIS	AM,PM	Tarre, Muller	1556	BM	15%:: 5 - 8%	1/day, 1/wk	1 km :: G,R	N/A :: Sfc
Mousinis-Mark Vokano Temperature, Eruption Spike	3290						10 C ::	[near-real time ?]	I km :: G	NIA :: Sfc
		MODIS	AM,PM	Wan	2484	BM	1C::1C	1/day, 1/wk	1 km :: Land/R	N/A:: Sfc
		HIRIS	AM2	Rowan, Goetz	3294	AM	10 C :: 5 C	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Mousinis-Mark Volcano Temperature-Change	3295						10::	1/3	30 m :: Land/L	NIA :: Sfc
		ASTER	AMI	Kahle, Becker, Ch	2483	BM	1-6 K :: 0.3 K	1/(2-16 day)	90 m :: Land	N/A:: Sfc
		HIRIS	AM2	Rowan, Goetz	32%	AM-	10C:: 5C	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Murakani Aerosol Extinction Coef	2327						S-10% ::		5 :: C	N/A :: Atmos
		HIRDLS	CHEM	Barnett, Gille	1992	BM	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-30 km
		MODIS	AM,PM	Tarre, Kaufman	2294	Ψ¥	0.05 :: 0.02	1/day, 1/mo	0.5 dg :: Ocean	N/A :: Atmos
		MISR	WV	Diner	2298•	ΨV	0.05/10% :: 0.05/10%	1/(5-16 day) [d]	1.92 km :: R	Column :: Atmos
		SAGE.III	AERO,CHEM	McCormick	1012	¥	5%:: 5%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 0-40 km
		GLRS-A	ALT	Spinhime et al	2291	ΨV	20% ::	1/(2-16 day)	2-200 km :: G	N/A :: Atmos
Murakami Cloud Cover	2058						:: %01			N/A :: Cloud
		CERES	TRM,AM,PM	Barkstrom	2088	BM	5%:: 2%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
_		AIRS	M	Chahine, Chedin,	_	Ą	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
		MODIS	AM,PM	King	2081	¥	10% :: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud
-		CERES	TRM,AM,PM	Barkstrom	2086	¥	5% :: 2%	6/day [d.n]	25 km :: G	N/A :: Atmos
		GLRS-A	ALT	Spinhime	2078	W	1%::	1/(2-16 day)	10-200 km :: G	N/A::

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Proof 8 Instit. Proof 1 Instit. Proof 8 Instit. Proof 8 Instit. Proof 8 Instit. Proof 8 Instit. Proof 1 Instit. Prof 9 Instit. Proof 8 Instit. Prof 9 Instit. Pro		IDS Input Data Product		10	J. 1. 30							
Charlotte Type Ty	Investigato	4	Prod #	Inch	Platforms	Investigator	Drod #	Motok	Accuracy	remporal	Horizontal	Vertical
Color	Murahami	┨ `			I IN IN INS	III VESUIÇALOR	*	March	ADS :: Ke	Kesolution	Resol :: Cover.	Resol :: Cover.
Colore		dor tergra, top	9/+/						.: ₹ 7/			:: Cloud
Column C				CERES	TRM,AM,PM		_	BM	1.0 km :: 0.1 km	1 Alay [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	0.1 km :: Atmos
Color 110				AIRS	M.	Chahine, Chedin,		¥	0.5 km :: 0.25 km	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
Fig. 26 ARBOANG Trivit 1515 AM 50 mil. 30mil 14 mil. 41 st 44 st 45 mil. 41 mil.				CERES	7		1431	¥	0.5 km :: 0.1 km	1/(6 hz)	1.25 x 1.25 dg :: G	0.1 km :: Atmos
Housiay Hilled College Hilled				EOSP	- 1	Travis	1530	¥	30 mb :: 30 mb	1/day [d]	40 km :: G	30 mb :: Cloud
MODIS AALPA Marei 1539 AN 50 mb.; 20 mb. 1449, Imp 145, CG				HIRDLS	CHEM	Barnett, Gille	1531	¥	5-10% :: 5-10%	2/day [d,n]	4 x 4 dg :: G	0.4 km :: Trop
Housiay History Hist				MODIS	AM,PM	Menzel	1528	¥	50 mb :: 20 mb	2/day	5 km :: G	N/A :: Cloud
100 100				MODIS	AM.PM	Menzel	1529	ΨV	50 mb :: 20 mb	1/day, 1/mo	1 dg :: G	N/A :: Cloud
10 10 10 10 10 10 10 10	Mwakami	Humidity	1818						10%::			
110 110				AIRS	PM	Chedin, Fleming,		ВМ	10%:: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
HIRDLS SOCIETA Micrometa 1311 BM 100 Set 21 to 10	Murakami	O3 Conc	1310						10%::			N/A :: TOA
SACE-III ARCOCIEMA MECONICAL 1312 RAY (10 Total) 30 April 10			_	HIRDLS	CHEM	Barnett, Gille	1318	BM	5-10% :: 1-10%	2/dav [d.n.]	4 x 4 de G	1 km : 7.80 km
MAIS MAIS				SAGE-III	AERO,CHEM	McCormick	1321	BM	6%::5%	1/(2 min), 30/day	<2 x <1 de :: Polar	1 km :: 6.85 km
125 CIEM Rect 133 AM State 130 AM State 130 AM State 14(16 dry) 15(15.15) 15.15.15.4 16.0 × 2.1 m = 0.0 175				MLS	MO	Waters	1319	Æ	<= 3% :: 1%(<50km)	2/dav (d.n.)	0.1 x 2.5 de :: 82N-82S	2 5 km (1 2) TPSE 110 km
TES CIEDA Bee 132 AM ::30 pp				SAFIRE	WO	Russell	1320	Æ	:: 5% (10-70 km)	1/(18-72-4)[7]	75 x 7 5.5 de :: 869.86N	1 6.3 km :: 10 100 km
TES CIEDA Beer 1324 AM ::3 pb 1/(16 day) 163 12 km::C				TES	CHEM	Bear	1323	¥	:: 20 ppb	1/(16 day)	160 x 23 km :: G	2.3 km ·· 13.30 km
TES CHEM Receipted 1315 RM 15,200U; 1001 2,day, liday 16,4,5 lim; G			_	TES	CHEM	Beer	1324	₹	:: 3 pob	1/(16 dav)	160 x 23 km :: G	2.3 km :: 4.12 km
Precipitable Water 1311				TES	CHEM	Вса	1325	AM	:: 13 pob	1/(16 dav)	16 x 5 km :: G	4-6 km : 0.12 km
MODIS AMPPA Merec 1331 BM 15,2001; 1001 21day, 1day 5 tm; C	Murakami	O3 Conc	1331						5-10% :: 2-10%			
Hooks AALPA Merce 1334 AM 15-2000-11001 Libby, lime 0.5 kg. 2			_	MODIS		Menzel	1331	M	15.2001 110017	2/dex 1/dex	C : 443	1.0
Precipiable Ware 1807 PM Chedin, Revered 1332* AM 5-15\$#.:3-10\$# 20ay [d.n.] 50 hm.: C				MODIS		Menzel	13.24	¥	15-20DU:: 10DU	1/day 1/mg	D:: 100	Column :: Atmos
Precipiable Water 1857				AIRS		Ocdin Reveron	1_	MA	5-154 1. 104.	2/dex [d.n.]	0 : 40 CO	Salaria Salaria
Auto	Murakami	Precipitable Water	1867				100		204	Intol Amor	O :: uz oc	Column :: Atmos
Precipitation Amount 1938				ATDC	Md		31_	1				
Precipitation Anouset 1938				2000	W.	Cheain, Fleming.		E .	3%:: 3%	2/day [d,n]	50 km :: G	N/A :: Trop
Precipitation Amount 1938				MODIS	M, M	Merzel	1875	BM	10 mm :: 5 mm	2/day	5 km :: G	N/A :: Atmos
Precipitation Amount 1938				MODIS	MA,PM	Kaufman, I ame	1874	¥.	84::64	1/day	Skm::Land	N/A :: Atmos
Priceptiation Amount 1938 AIRS PM Stackind 1969* BM 2mm/day::Imm/day 2ldsy [d.a] 50 tm::G				AIKS	Md	Rosenkranz	3693	¥	2 mm :: 1 mm	2/day [d.n.]	50 km :: G	N/A :: Trop
AIRS	Murakami	Precipitation Amount	1938						10%::			
Radiative Flux, LW, Net Lop 2185 PM TBD 3601 BM Zmm/hr.: Imm/hr 2 (day [d.n]) 50 km.: G Radiative Flux, LW, Net Lop 2183 AM Smm/hr.: Imm/hr 2 (day [d.n]) 50 km.: G AM Radiative Flux, LW, Net Lop 2183 AM 2 (day [d.n]) 1				AJRS		Susskind	1969	BM	Zmm/day :: 1mm/day	2/day [d,n]	50 km :: G	N/A :: Trop
AIRS PM Tab 3694 AM 2mm/hr: Imm/hr 2/day [d,h] 50 km: C				MIMR		TBD	3601	BM		1 mo	1 dg :: Global	N/A :: Sfc
Radiative Flux, LW, Net Up 2183 MIMR PM TBD 3600 AM 276.:: CERES TRMAMPM Burtstrom 2180 AMPM*2:: 2 Wm*2 1 Aby [Avg] I/mo [Avg]				AIRS		Staclin	3694	¥	Հոսուֆե :: Լոսուֆե	2/day [d.n]	50 km :: G	N/A :: Trop
Radiative Flux, LW, Nat Up 2183 RM, AM, PM Bartstrom 2182 BM 5 VMm²2:: 2 VMm²2 Iday [Avg], I/mo [Avg] 1.25 x 1.25 dg:: G Alies				MIMR	PM	TBD	3600	ΑM			22 km :: Global	N/A :: Sfc
CERES TRM,AM,PM Barkstrom 2187 SM SW,M-2::2W,M-2 I/day Agi; I/mo (Avgi : Gran: Land AIRS PM Gautier 2176 AM <15::TBD I/day SO km::Land AIRS PM Gautier 2177 AM <16::TBD I/day SO km::Land AIRS PM Gautier 2178 AM 7W,M-2::2W,M-2 I/day SO km::Ocean So km::Ocean I/day SO km::Usy SO km::Ocean I/day I-25 x 1.25 dg::Ocean I/day I-25 x 1.25 dg::Ocean I/day I-25 x I.25 dg::Ocean I/d	Murakami	Radiative Flux, LW, Net Up	2183						2% ::			N/A :: Asmos
AIRS PM Gautier 2170- AM <15.:TBD 1/day 50 km::Land 50 km::Land 50 km::Land 50 km::Cean 1/day 40 km/2.: 2 W/m/2 1/day 40 km::Cean 1.25 x 1.25 dg::G 1.25 x				CERES	TRM,AM,PM	Barkstrom	2182	BM	5 W/m^2 :: 2 W/m^2	1 Asy [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
AIRS PM Gautier 2177° AM Clott Clotter CERES TRMAMpM Bartstrom 2180 AM 7 W/m²2:2 W/m²2 2				AIRS		Gautier	2176	₹	<15:: TBD	1/day	50 km :: Land	N/A :: Sfc
CERES TRM,AM,PM Bartstrom 2180 AM 7 Whm'2::2 Whm'2 6/day [d.n] 1.25 x 1.25 dg::G				AIRS		Gautier	2177•	₹	<10:: TBD	1/day	50 km :: Ocean	N/A :: Sfc
CERES TRM,AM,PM Bartstrom 2181 AM 7 Whm'2:: 2 Whm'2 1/6 hr) 1.25 x 1.25 dg:: G				CERES		Barkstrom	2180	¥	7 W/m^2 :: 2 W/m^2	6/day [d.n.]	1.25 x 1.25 dg :: G	N/A :: Sfc
Radiative Flux, LW, Up 2395 CERES TRM_AM_PM Bartstrom 2200 BM 3 W/m^2 :: 1 W/m^2 1/day [Avg], I/mo (Avg] 1.25 x 1.25 dg :: G CERES TRM_AM_PM Bartstrom 2204 AM 5 W/m^2 :: 2 W/m^2 1/(6 lrb) 1.25 x 1.25 dg :: G Radiative Flux, SW, Net_Down 2234 CERES TRM_AM_PM Bartstrom 2205 AM 5 W/m^2 :: 2 W/m^2 1/(d lrb) 1.25 x 1.25 dg :: G Radiative Flux, SW, Net_Down 2234 CERES TRM_AM_PM Bartstrom 2230 BM 10 W/m^2 :: 2 W/m^2 1/day 40 ll 1.25 x 1.25 dg :: G All S PM Gautier 2232 AM 0.3 to K :: O 1/day 40 ll 1/day 50 lm :: Land Sea_3(c Temperature (SST) 2318 MODIS AM_PM Brown 2238 BM 0.3 to K :: O 1/4 to V 1/day 1//day 20 lm :: Land 1//day 1/				CERES		Barkstrom	2181	¥	7 W/m^2 :: 2 W/m^2	1/(6 hz)	1.25 x 1.25 dg :: G	N/A:: Sfc
CERES TRM_AM_PM Bartstrom 2200 BM 3 W/m^2::1 W/m^2 14day [Avg], 1/mo [Avg] 1.25 x 1.25 dg :: G	Mwrakami	Radiative Flux, LW, Up	2395						10%::			N/A :: TOA
CERES TRM,AM,PM Bartstrom 2204 AM 5 Wm/2::2 Wm/2 1/6 hz) 1.25 x 1.25 dg;: G				CERES			2200	BM M	3 W/m^2 :: 1 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: TOA
CERES TRM,AM,PM Bartstrom 2205 AM 5 Wm/2::2 Wm/2 6/day [d.n.] 25 km::G				CERES		Barkstrom	2204	¥	5 W/m^2 :: 2 W/m^2	1/(6 hz)	1.25 x 1.25 dg :: G	N/A:: TOA
Radiative Flux, SW, Net_Down 2234 CERES TRM,AM,PM Barkstrom 2230 BM 10 W/m²2;; 2 W/m²2 Iday (Avg]; 1/mo (Avg] 1.25 x 1.25 dg;; G				CERES		Barkstrom	2205	¥	5 W/m^2 :: 2 W/m^2	6/day [d.n]	25 km :: G	N/A :: TOA
CERES TRM,AM,PM Bartstrom 2230 BM 10 W/m²2::2 W/m²2 1/day (Avg), 1/mo (Avg) 1.25 x 1.25 dg::G	Murakani	Radiative Flux, SW, Net Down	2234						2% ∷			N/A :: Atmos
Sea_sfc Temperature (SST) 2518 PM Cautter 2232* AM <15::<5 1/day 50 km:: Land Sea_sfc Temperature (SST) 2518 MODIS AM.PM Brown 2528 BM 03-0.6K:: 01-03K 1/day 30 km:: Land :: G				CERES		Barkstrom	2230	BM	10 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
Sea_gC Temperature (SST) 2518				AIRS		Gautier	2232	¥	<15∷ ⋖	1/day	50 km :: Land	N/A :: Sfc
AM.PM Brown 2528 BM 03-06K::0.1-03K 1/day 1/art 1/mo 20km:: Oceanic B	Murakami	Sea_sfc Temperature (SST)	2518						0.2 K ::		9::	NIA :: Sfc
N. OCERTION TO THE TAIL THE TOTAL THE TAIL THE T				MODIS	AM,PM	Brown	2528	BM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G.R	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Investigator	Product Name			- 13							
	I Descritation	Prod #	Instr.	Platforms	Investigator Prod # Match	Prod # N	fatch	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Murakami	Sea_sfc Temperature (SST)	2518	MODIS	AM,PM	Brown, Barton	2531	BM	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G, R	N/A :: Sfc
			MODIS	AM,PM	Brown, Barton	2532	BM	0.3-0.4K :: 0.1-0.6K	1/day, 1/wk, 1/mo	50 km :: Ocean	N/A:: Sfc
			AIRS		Chedin, Fleming,	2523	₩	0.5 - 1 K :: 0.4 - 0.5 K	2/day (d.n.)	50 km :: Ocean	N/A :: Sfc
			MIMR		TBD	3604	AM	1 K ::	l mo	1 dg :: Ocean	N/A :: Sfc
			MIMR	PM	TBD	3603	ΨW			60 km :: Ocean	N/A :: Sfc
Murakami	Snow Cover	3014						10%::		:: Land	N/A :: Sfc
			MODIS	AM,PM	Salomonson	3020	BM	<=5% :: <=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc
			MODIS	AM,PM	Salomonson	3021	BM	<=5%:: <=5%	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc
			AIRS	PM	Staclin	3018•	¥		2/day [d,n]	50 km :: Land	N/A :: Sfc
			MIMR	M	TBD	3607	₹			22 km :: Land	N/A :: Sfc
			MIMR		TBD	3608	Æ		1 mo	1 dg :: Land	N/A :: Sfc
Murakami	Soil Moisture	3066								:: Land	NIA :: Sfc
			MIMR	PM	TBD	3605	BM			60 km :: Land	N/A :: Sfc
		1	MIMR		TBD	3606	BM		1 mo	1 dg :: Land	N/A :: Sfc
Murakami	Temperature Profits	1580					200000000000000000000000000000000000000	1%:		0	
			AIRS	PM	Chedin, Fleming.	1588	Æ	1.0 K :: 0.4 K	2/day [d,n]	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos
Muratami	Topographic Fleuding Sea Sc	3122						100			N/A :: Sfc
	-6	1	AIT	AIT	ű	31.08	Z	Sem et al	(veb A1//1	25 km :: Ocean	N/A Cfr
		•	114	ALT	2 3	3113	MA	1.	(In all)	7 km : Ocean	N/A Cfe
14		72.1	į	3	2	7116	Ę	10011 ::		/ Will :: Occasi	M/A TO A
MIGRAM	I race vas conc	13/4			-			:: aL07			NA :: IOA
			HIRDLS	CHEM	Barnett, Gille	1947	EM.	5-10% :: 1-10%	Z/day [d.n]	4 x 4 dg :: G	1 km :: 7-30 km
			HIRDLS	CHEM	Barnett, Gille	1055	MA	\$-10% :: 1-10%	2/day [d,n]	4×4 dg :: G	1 km :: 7-30 km
			HIRDLS	CHEM	Barnett, Gille	1085	EM.	5-10% :: 1-10%	2/day [d.n]	4×4 dg:: G	1 km :: 7-65 km
			SAFIRE	МО	Russell	1086	Æ	:: 7% (15-55km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-65 km
			HIRDLS	CHEM	Barnett, Gille	1239	BM	5-10% :: 1-10%	2/day [d.n]	4×4 dg :: G	1 кт :: 7-60 кт
Murakami	Vegetation Evapotrans	1661						0.02 ::			
			ASTER	AMI	Schmugge	1791	BM	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A:: Sfc
Murakami	Vegetation Index	2745								:: Land	NIA :: Sfc
			MODIS	AM,PM	Justice, Hucte et a	2749	ВМ	0.01 :: 0.01	1/day, 1/wk, 1/mo	10 km :: Land	N/A :: Sfc
			MODIS	AM,PM	Huete	2724	₩	0.01 :: 0.01	1/day, 1/wk, 1/mo	1 km :: Land/R	N/A :: Sfc
			ASTER	AMI	Gillespie	2747*	AM			15 m :: Land/R.L	N/A :: Sfc
Murakami	Wind Stress	1744						:: 10'0		:: Осеан	N/A :: Sfc
			STIKSCAT	CHEM	Freilich	1746	BM			:: Ocean	:: Sfc
			MIMR	PM	TBD	3595	BM		1 то	1 dg :: Occan	N/A :: Sfc
			MIMR	PM	TBD	3594	ΑM			39 km :: Ocean	N/A :: Sfc
Pyle	Aerosol XXX	1003							2/day	9::	::: Strat
			HIRDLS	CHEM	Barnett, Gille	1992	BM	5-10% :: 1-10%	2/day [d,n]	4×4 dg :: G	1 km :: 7-30 km
			EOSP	AERO,AM2	Travis	2297	BM-	0.2 :: 10%	1/day [d]	40 km :: G	Column:: Atmos
			MODIS	AM,PM	Kaufman, Tame	2293	ΨV	0.1 :: 0.05	1/day, 1/mo	0.5 dg :: Land	N/A :: Atmos
			MODIS	AM,PM	Tarre, Kaufman	2294	ΑM	0.05 :: 0.02	1/day, 1/mo	0.5 dg :: Ocean	N/A :: Atmos
Pyle	BrO Conc	1027						25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
			MIS	ОМ	Waters	1030	BM	:: 1x10-12	1/mo. [2. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 15-50 km
Pyle	CFC-11(CFCB) Conc	1021						15% :: 5%	2/day	15 x 4 km :: G	3 km :: Sirat
			HIRDLS	CHEM	Barnett, Gille	1055	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-30 km
Pyle	CFC-12(CF2CI2) Conc	1043						15% :: 5%	21407	15 x 4 km :: G	3 km :: Sirat
•			HIRDLS	CHEM	Barnett, Gille	1047	BM	S-10% :: 1-10%	2/day [d.n]	4 x 4 dg :: G	1 km :: 7-30 km

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Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	IDS Input Data Product		EO	S Instrument	EOS Instrument Output Data Product	roduct		Accuracy	Temporal	Horizontal	Vertical
Investigator	Product Name	Prod#	Instr.	Platforms	Investigator	Prod # Match	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Pyle	CH3CI Conc	9901						15% :: 5%	2/day	15x4 bm :: G	3 km :: Strat
			MLS	МО	Waters	1070	BM	:: 1x10-11	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 40 km
Pyte	CH4 Conc	1077						10% :: 5%	2/409	15x4 km:: G	3 km .: Strat
			HIRDLS		Barnett, Gille	1085	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-65 km
		•	SAFIRE	1	Russell	1086	¥	:: 7% (15-55km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-65 km
			TES		Beer	1087	¥	:: 14 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
			TES		Beer	1088	¥	:: 30 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
			TES	CHEM	Beer	1089	VΜ	:: 40 ppb	1/(16 day)	160 x 23 km :: G	2-3 km:: 4-12 km
Pyle	CO Conc	6111						15% :: 5%	21day	15x4km:: G	2 km :: Strat
			MLS		Waters	1124	ВМ	<=5% :: 3x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 60 km
		•	MLS		Waters	1125	ΑM	<=5% :: 1x10.5	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 60-100 km
			TES	CHEM	Beer	1127	ΑM	:: 10 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
			MOPITT	AMI	Drummond	1126	ΑM	:: 10%	1/(0.4 s) [?]	22 km :: G	3-4 km :: 0-15 km
Pyle	CIO Conc	1011						15% :: 5%	2/day	15x4 km :: G	3 km :: Strat
			MLS	МО	Waters	1107	BM	<=5%:: 0.3-3x10-10	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 70 km
Pyle	Cloud Height, PSC	1404	 						2/day	9::	1: Strat
			HIRDLS	CHEM	Barnett, Gille	1408	BM	0.4 km :: 0.4 km	2/day [d,n]	4 x 4 dg :: G	0.4 km :: Strat
				AERO, CHEM	McCormick	1437	BM	0.2 km :: 5%	1/(2 min), 30/dav	<2 x <1 de :: G	1 km :: Strat/Trop
			+	ALT	Spinhime et al	1405	¥	150 m ::	1/(2-16 dav)	2-200 km :: Polar	75 m :: Strat
b Ac	H2O Conc	1879						109 59.	2/400	34 7 - 31	2 b
<u> </u>		<u>`</u>	AIRC	Md	Chedia Blemine	8081	20	104 54	Cum/2	0 :: marks (1	J. Com. Sirem
			HIRDIS	NEW COLUMN	Berner Gille	1817	N A	\$ 104 1.104.	2/42 (4.5)	4 - 4 4 - 10	1 L 7 90 L
			MIN		Weise	1001	£ 3	2-104: 1-1078	("D) Arn/7	D :: 80 + X +	mi 08-7 :: mx 1
			3		Waters	1020	£ :	2.70 COULII	(u'n) ken/7	0.1 x 2.3 dg :: 62N-623	2.3 Km [1.2] :: 1 P.SE, 100 Km
			+	CHEM	Beer	1843	Ę.	:: 0.5 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
			SAGE-III	AERO,CHEM	McCormick	1841	₹	10%:: 15%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 3-50 km
Pyle	H2O2 Conc	1167						20% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
			SAFTRE		Russell	1172	ВМ	:: 7% (30-35 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-50 km
			MLS	МО	Waters	1171	ΨV	:: 1x10-10	l/day [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 30-40 km
Pyle	HBr Conc	1171						25% :: 10%	21407	15 x 4 km :: G	3 km :: Strat
			SAFIRE	МО	Russell	1180	BM	:: 10% (25-35 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 15-40 km
Pyle	HCIConc	1183						15% 5%	2/day	15x4 km :: G	3 km :: Strat
			MLS	ω	Waters	1188	BM	<=5% :: 0.1-10x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 90 km
			MIS	ω	Waters	1189	BM	<=5% :: 0.1-10x10-10	2/day [d.n.]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 80 km
			SAFIRE	WO	Russell	1187	Æ	:: 5% (25-55 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-65 km
Pyle	HF Conc	1194						15%::5%	2/day	15x4 km :: G	3 km :: Strat
			SAFIRE	MO	Russell	1197	ВМ	:: 15% (40-60 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 40-60 km
Pyle	HNO3 Conc	6611						15% :: 5%	21403	15x4 km :: G	3 km :: Strat
			HIRDLS	CHEM	Barnett, Gille	1202	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 10-40 km
			MLS	МО	Waters	1203	ΑM	<=5%:: 5x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 46 km
			SAFIRE		Russell	1204	ΑM	:: 7% (15-40 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-45 km
			TES	CHEM	Bear	1205	ΨV	:: 3 ppt	1/(16 day)	160 x 23 km :: G	2.3 km :: 4-12 km
			TES	CHEM	Вест	1206	VΜ	:: 3 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
Pyle	HNOx Conc	1210						25% :: 10%	21day	15x4 bm :: G	3 km :: Strat
			HIRDLS	CHEM	Barnett, Gille	1202	BM	S-10% :: 1-10%	2/day [d,n]	4x4dg:: G	1 km :: 10-40 km
Pyle	HO2 Conc	1213						25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
			MLS	МО	Waters	1216	BM	:: 3-20x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 30-80 km
			SAFIRE	MO	Russell	1217	AM	:: 7% (30-60 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-75 km

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Investigator Product Name Pyle HOCI Cone Pyle N20 Cone Pyle N20 Cone Pyle N02 Cone Pyle N03 Cone Pyle O(3P) Cone Pyle O(3P) Cone	Prod#	Instr.	Platforms	Investigator Prod #	Prod # Match	fatch	Abs :: Rel			Darol :: Conon
	1219	THOR!			3			Deschiblish		
	1219	A 100 CO		Т		- Company		Resolution	Acsol .: Cover.	Mesol :: Cover.
							25% :: 10%	2/day	15x4 bm :: G	3 km :: Strat
		MLS	į	Waters	1222	BM	:: 3x10-11	1/day	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 25-45 km
		SAFIRE	МО	Russell	1223	¥	:: 7% (35-40 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-45 km
	2273						:: 1%	2) day	15 x 4 lm :: G	3 km :: Strat
		SOLSTICE	МО	Rottman	2278	ВМ	<5%::<1%	# J/ [N/A :: N/A	N/A :: NA
		SOLSTICE	МО	Rottman	72.77	ВМ	<5%::<1%	#4/I	N/A :: N/A	N/A:: NA
	1231						15%::5%	21day	15x4 bn :: G	3 km :: Strat
		MLS	QW W	Waters	1240	BM	<=5%:: 1-10x10-8	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 65 km
		HIRDLS	CHEM	Barnett, Gille	1239	BM	5-10% :: 1-10%	2/day [d.n]	4×4dg:: G	1 km :: 7-60 km
	1221						20% :: 10%	2/day	15x4 bn :: G	3 km :: Strat
		HIRDLS	CHEM	Barnett, Gille	1254	BM	5-10% :: 1-10%	2/day [d.n]	4×4 dg :: G	1 km :: 15-45 km
		SAFIRE		Russell	1255	Æ	:: 10% (20-40 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5-3 km :: 10-45 km
	1263						15% :: 5%	2/day	15x4 bm :: G	3 km :: Strat
		MLS	OΨ	Waters	1266	BM	1.1.10x10-7	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2] :: 30-120 km
	•	TES	Ļ	Bea	1268	¥	:: 25 pot	1/(16 dav)	160 x 23 km :: G	2-3 km :: 13-30 km
	1270						15% 5%	2/401	15 x 4 lm :: G	3 km :: Strat
		HIRDLS	CHEM	Barnett, Gille	1273	BM	5-10% :: 3-10%	2/day [d,n]	4×4 dg :: G	1 km :: 10-55 km
	•	MLS	OΨ	Waters	1274	¥	:: 1-8x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 30-60 km
		SAFIRE		Russell	1275	ΑM	:: 5% (20-55 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 15-60 km
		SAGE-III	AERO,CHEM	McCormick	1276	¥	10% :: 10%	1/(2 min), 30/day	<2 x <1 dg :: Polar	1 km :: 10-50 km
		SAGE-III	AERO,CHEM	McCormick	1277	₩	10%:: 15%	1/(2 min), 30/day	2x<1dg::G	1 km :: 20-50 km
		TES	CHEM	Beer	1278	ΑM	:: 500 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
	1280						25% :: 10%	IIday [n]	15 x 4 km :: G	3 km :: Strat
		SAGE-III	AERO,CHEM	McCormick	1282	BM	10% :: 10%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 20-55 km
	1295						15%::5%	I/wk	15x4 bn :: G	2 km :: Strat
		SAFIRE	МО	Russell	1298	BM	:: 15%(110-180 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 90-180 km
	1161						5%::2%	2/day	15 x 4 km :: G	3 km :: Strat
		HIRDLS	CHEM	Barnett, Gille	1318	ВМ	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km
		MLS		Waters	1319	BM	<= 3% :: 1%(<50km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 110 km
	•	SAFIRE	MO	Russell	1320	¥	:: 5% (10-70 km)	1/(18-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	1.5-3 km :: 10-100 km
		SAGE-III	AERO,CHEM	McCormick	1321	¥.	6%:: 5%	1/(2 min), 30/day	<2 x <1 dg :: Polar	1 km :: 6-85 km
		3	CHEM	Bed	132	\	3.20 PPP	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
		<u>ਜ਼</u>	CHEM	Bed	M2C1	Ę	odd c ::	1/(10 GBy)	160 x 23 Km :: U	Z-3 KM :: 4-12 KM
	ncer	11 15 15	NEW COLUMN	1	5365	710	#01 :: #00	21/20	DX4 28: C	3 RM :: 50701
		MIC	AEKO, CREM	Waters	353	N N	3*10.11	1/(2 min), 50/029	0 :: do :> x7>	7 (true (1 2) :: TDGE 26 true
	1161		2	•			2002 2002	3/4-	C70-170 :: 90 C7 V 1:0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
rya on cone	1171	SAFIRE	QΨ	Russell	1360	Æ	:: 7% (30-75 km)	1/1/86-72.8) [2]	25 x 2 5.5 de 86S.86N	3 km :: 20.90 km
Pule Temperature Profile	1881						2K 05K	21400	15 x 4 bm : G	2 km -: Street
		AIRS	M	Chedin, Fleming.	1588	M M	1.0K:: 0.4 K	2/day [d.n]	15 x 50 - 50 x 50 km :: G	1. 2 km :: Atmost
		TES	CHEM	Bear	1614	¥	:: 2 K	1/(16 day)	16 x 5 km :: G	1 km, 4-6 km :: 0-12 km
		TES	CHEM	Bear	1615	AM	:: 2 K	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
		SAGE-III	AERO,CHEM	McCormick	1611	VΜ	2 K :: 2K	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 6-55 km
		MLS	ОМ	Waters	1609	AM	:: 2K <100km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 120 km
		SAFIRE	MO	Russell	1610	ΨĮ	:: <0.5K(16-65 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-110 km
Pyle Wind Speed	1714						5 m/s :: 5 m/s	2/day	15x4 bn:: G	2 km :: Strat
		MLS	MO	Waters	1734	BM	:: 10m/s	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 60-110 km

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

New York New York												
Month March Marc	Investigator	Product Name	D. 2.4	1	Di retrumen	Cutput Data	Todact		Accuracy	Temporal	Horizontal	Vertical
MODIS AMJPM Content Cart 200 AM 25% : 10% 1/A4 1/	•		# DOL.		Flatforms	Investigator	# PO1-1	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Lat Ware Charespyll Conc. 2654 MOD315 AAAJM Groten, Cart. 2004 ABA 20% 2.0% 2.0% Identity		Lake Water Attenuation Coef	3203						10%:: 10%	I/wk	I bm :: LandiR	NIA:: TOO
July Name Chienephyll Cone. 2654 HIRES ANA Confer. Heleke S 214 ANh 105% : 105% Pink Pi				MODIS	AM.PM	Gordon, Clark	3200	ΑM	25% :: 10%	1/day, 1/wk, 1/mo	1 km :: Ocean-I/ R.L.	N/A :: T00
Figure F		Lake Water Chlorophyll Conc	2654						20% :: 10%	I/wk	I km :: LandiR	NIA::TOO
MODIS AAJPM WIN				HIRIS	AM2	Carder, Melack	3314	AM-	100% :: 50%	(>=2)/day	30-90 m :: Ocean/L+Land/Lakes	N/A:: T00
MODIS AAMPN Wan 2848 BM 1.15C.1C 1849, Was MODIS AAMPN Wan 2848 BM 1.15C.1C 1849, Was MODIS AAMPN Wan 284, BM 1.15C.1C 1849, Was MODIS AAMPN		Land Ac Temperature	2476							1/day	:: Land/R	N/A :: Sfe
MODIS AMP Wein PAN MAN M				MODIS	AM,PM	Wan	2484	BM	10::10	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc
ASTER AND Cheft, Permit 2013 AM 100 Cheft, P				MODIS	AM,PM	Wan	2485	ВМ	1-3C:: 1C	1/day, 1/wk	10 km :: Land	N/A :: Sfc
18 ANTER				AJRS	PM	Chedin, Fleming.		VΜ	1.0 K :: 0.5 K	2/day [d,n]	50 km :: Land	N/A :: Sfc
MODIS AALPA Cockin, Perming 1869 BN 58::34 1449 1449 1440 1				ASTER	AMI	Kahle, Becker, Ch		ΨV	1-6 K :: 0.3 K	1/(2-16 day)	90 m :: Land	N/A :: Sfc
MODIS AMP Chedit Ferring 150 M 556::356 1 day, modified 1 day, modifie	Richey, Batista	Precipitable Water	1810						5% .: 5%	11day	<i>x</i> ::	:: Trop
Action A				AIRS	PM	Chedin, Fleming.	1869	ВМ	5% :: 3%	2/day [d.n]	50 km :: G	N/A :: Trop
MODIS AAJPM Koultree 1872 AM2 Cocatema, Tever 1872 AM3 Cocatema, Tever 1872 AM4 Cocatema, Tever 1872 AM4 Cocatema, Tever 1872 AM4 Cocatema, Tever 1872 AM4 Cocatema, Tever 1874		The state of the s		MODIS	AM,PM	Kaufman, Tarare	3321	AM	12% :: 8%	l day, mo	1 km :: Land	N/A :: Atmos
Autoria Auto		Precipitable Water	1863							I/wk	I lon :: R	Column :: Trop
HIRIS AM2 Cect 1872 AM 10% :: 3% 14(1.3 min, 1[2.16 day) CERES TRM,AMJ,PM Burterom 2223 BM 13 Wm/2; : 2 Wm/2 14(6 by) CERES TRM,AMJ,PM Burterom 2243 BM 13 Wm/2; : 2 Wm/2 14(6 by) CERES TRM,AMJ,PM Burterom 2243 BM 13 Wm/2; : 2 Wm/2 14(6 by) CERES TRM,AMJ,PM Burterom 2243 BM 12 Wm/2; : 2 Wm/2 14(6 by) 1				MODIS	AM,PM	Kaufman, Tarre	3321	BM	12%:: 8%	l day, mo	l km :: Land	N/A :: Atmos
CERES TRM,AAJ,M Bartenon 2223 BM 15 Win-2; 2 Win-2 11(6 kg)				HIRIS	AM2	Goetz	1872	AM	10%:: 3%	1/(1-3 min), 1(2-16 day)	30m:: L	Column :: Atmos
CERES TRM,AALPM Bartesom 223 BM 15 Win-7:: 2 Win-7: 2 W		Radiative Flux, Broadbard	2141							2/day	:: Land/R	
CERES TRM,AAJAP Bartenon 223 BM 13 Win-?: 2 Win-? 1/6 kp				CERES	TRM,AM,PM	Barkstrom	2223	ВМ	15 W/m^2 :: 2 W/m^2	1/(6 hz)	1.25 x 1.25 dg :: G	N/A :: Sfc
CERES TRN,AMPM Bartenon 2248 BM 12 Whrn?:: 2 Whrn?: 2 Whrn?: 1 Ward [Avg], Irine (Avg] and a continuent 2010 CERES TRN,AMPM Bartenon 2010 BM CERES TRN,AMPM Bartenon 2010 CE				CERES	TRM,AM,PM	Barkstrom	2223	ВМ	15 W/m^2 :: 2 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Sfc
distret Soil Chemistry 2810 CREES TRM,AMP Butetonn 2209 BM 12 Wm/2;: 2 Wm/2 116 hy astire Soil Chemistry 203 AMIS Kahle, Gillespie 2809 BM 2096;: 2096 Sompathistion astire Soil Moisture 2035 MiDAR PM TRD BM 2096;: 2096 Sompathistion astire Vegetation Biomass 2037 MiDAR PM TRD BM 2096;: 1506 Interest astire Vegetation Physiography 2603 BM 2096;: 1506 Interest Interest astire Vegetation Flysiography 2603 BM 2096;: 1506 Interest Albedo, Sea_Ice 2726 HIRIS AAZ Usin 265 AM 4096;: 2096 Interest Albedo, Sea_Ice 2012 ERSP AAZ Usin 265 AM 4096;: 2096 Info-16 day) Albedo, Sea_Ice 2012 ERSP AAZ Usin Westman 2096;: 1096 <				CERES	TRM,AM,PM	Barkstrom	2248	BM	10 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
autinal Soil Chemistry 2010 ASTER AMI Kable, Cillappie 2005 BM 1005 1000 autinal Soil Mointure 2018 Mointure 2018 Mointure 2018 Mointure 2018 Mointure 2005 BM 2005 1000				CERES	TRMAMPM	Barkstrom	2249	BM	12 W/m^2 :: 2 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	AOT :: A/N
dation of the control of the	Richey, Batista	Soil Chemistry	2810						20% :: 20%	liseas	I km :: LandiR	N/A .: Sfc
address 2925 MILNES PAM TBD 3665 BM 2006s.: 2006 Ilmo addres Vegetation Biomass 2027 HRIS AM2 Ustin, Vestman 2650 BM 30%s.: 13% I/G-16 day) adista Vegetation Physiography 2693 HRIS AM2 Ustin, Westman 2614 BM 30%s.: 13% I/G-16 day) adista Vegetation Physiography 2693 HRIS AM2 Ustin, Westman 2614 BM 30%s.: 13% I/G-16 day) Aller a Vegetation Physiography 2693 HRIS AM2 Ustin 2657 AM- 40%s.: 20% I/G-16 day) Aller a Vegetation Structure 2726 HRIS AM2 Ustin, Westman 2657 AM- 40%s.: 20% I/G-16 day) Aller a Scale Lee 201 EOSP AM2 Ustin, Westman 2644 AM 40%s.: 20% I/G-16 day) Cloud Cover 201 EOSP AREOAMAP Travie Ustin, Westman				ASTER	AMI	Kahle, Gillespie	2803	BM		50 maps/mission	90 m :: Land/R.L	N/A :: Sfc
Alibara Politica TBD 3665 BM 2096;::2096 Ilizeas autina Vegetation Biomass 2027 HRBIS AM2 Usin, Wessman 2609 BM 3096;::1596 Ilizeas autina Vegetation Physiography 2693 HRBIS AM2 Usin, Wessman 2659 BM 3096;::1596 Ilizeas Albedo, Sea Lice 2726 HRBIS AM2 Usin, Wessman 2656 AM 4096;::1096 Ilizeas Albedo, Sea Lice 2726 HRBIS AM2 Usin, Wessman 2656 AM 4096;::1096 Ilizeas Albedo, Sea Lice 2776 HRBIS AM2 Usin, Wessman 2656 AM 4096;::1096 Ilizeas Albedo, Sea Lice 2776 HRBIS AM2 Usin, Wessman 2656 AM 4096;::2096 IliZe16 day) Albedo, Sea Lice 2012 HRBIS AM2 Usin, Wessman 2656 AM 4096;::2096 IliZe16 day) Cloud Cover 2012		Soil Moisture	2958							limo	I km :: LandiR	N/A :: Sfc
atistal Vegetation Blomass 2027 HIRIS AANZ Ustrin, Veserman 265 de 18 de 1056 :: 1056 :: 1056 :: 1072 (day) Interact atistal Vegetation Physicgraphy 2693 HIRIS AANZ Ustrin, Veserman 265 de 18 de 3056 :: 1556 1072 (day) 1074 :: 1045 11mo atistal Vegetation Physicgraphy 2693 HIRIS AANZ Ustrin 2656 de AN 4056 :: 2056 1072 (day) 1170 (day) atistal Vegetation Structure 2726 HIRIS AANZ Ustrin 2656 de AN 4056 :: 2056 1072 (day) 1170 (day) Albedo, Sea_Ice 2012 HIRIS AANZ Ustrin 2656 de AN 4056 :: 2056 1072 (day) 1170 (day) Albedo, Sea_Ice 2012 HIRIS AANZ Ustrin 2656 de AN 4056 :: 2056 1172 (day) 1170 (day) Albedo, Sea_Ice 2012 HIRIS AANZ Ustrin 4056 :: 2056 1172 (day) 1170 (day) Cloud Cover 2015 HIRIS AANZ Ustrin AAN 2056 :: 1066 1172 (day) 1170 (day) Cloud Cover 2016 AAPA				MIMR	PM	TBD	3605	BM			60 km :: Land	N/A :: Sfc
HRIS AM2 Usin, Wessman 2620 BM 30% :: 15% 1/2-16 day) HRIS AM2 Usin, Wessman 2635 AM- 40% :: 20% 1/3% 1/2-16 day) HRIS AM2 Usin 2635 AM- 40% :: 20% 1/3/2-16 day) HRIS AM2 Usin 2635 AM- 40% :: 20% 1/3/2-16 day) HRIS AM2 Usin 2635 AM- 40% :: 20% 1/3/2-16 day) HRIS AM2 Usin 2635 AM- 40% :: 20% 1/3/2-16 day) HRIS AM2 Usin 2635 AM- 40% :: 20% 1/3/2-16 day) HRIS AM2 Usin 2635 AM- 40% :: 20% 1/3/2-16 day) HRIS AM2 Usin AM3 2644 AM 20% :: 10% 1/3/2-16 day) HRIS AM2 Usin AM3 2644 AM 20% :: 20% 1/3/2-16 day) HRIS AM2 Travis 2644 AM 20% :: 20% 1/3/2-16 day) HRIS AM2 Travis 2644 AM 20% :: 20% 1/3/2-16 day) HRIS AM2 Travis 2644 AM 20% :: 20% 1/3/2-16 day) HRIS AM2 Travis 2644 AM 20% :: 20% 1/3/2-16 day) HRIS AM2 AM2 AM3 A	Richey, Batista	Vegetation Biomass	2627						20% :: 20%	liseas	I bm :: LandiR	N/A :: Sfc
atistara Vegetation Physiography 2093 HIRIS AAM2 Usafin, Westman 2614 BIM 30% :: 15% 1/C-16 day) anistra Vegetation Physiography 2093 HIRIS AAM2 Usafin 2657 AM- 40% :: 10% 1/Inno Allerdo, Sea Jee 2072 HIRIS AAM2 Usafin 2657 AM- 40% :: 20% 1/G-16 day) Albedo, Sea Jee 2012 HIRIS AAM2 Usafin, Westman 255 AM 40% :: 20% 1/G-16 day) Albedo, Sea Jee 2012 HIRIS AAM2 Usafin, Westman 255 AM 20% :: 10% 1/G-16 day) Albedo, Sea Jee 2012 HIRIS AAM2 Usafin, Westman 255 AM 20% :: 10% 1/G-16 day) Albedo, Sea Jee 2012 HIRIS AAM2 Usafin, Westman 2564 AM 20% :: 10% 1/G-16 day) CERES TRMAAMPM Bartarom 2081 BM 105 :: 50 1/day [Al] CERES TRMAAMPM Bartarom				HIRIS	AM2	Ustin, Wessman	2620	BM	30% :: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
HIRIS AM2 Usin 2655 AM- 40%; 20% 1/(2-16 day) HIRIS AM2 Usin 2656 AM- 40%; 20% 1/(2-16 day) HIRIS AM2 Usin 2656 AM- 40%; 20% 1/(2-16 day) HIRIS AM2 Usin 2656 AM- 40%; 20% 1/(2-16 day) HIRIS AM2 Usin 2656 AM 40%; 20% 1/(2-16 day) HIRIS AM2 Usin 2656 AM 40%; 20% 1/(2-16 day) HIRIS AM2 Usin 2456 AM 40%; 20% 1/(2-16 day) HIRIS AM2 Usin 2456 AM 40%; 20% 1/(2-16 day) HIRIS AM2 Usin 2456 AM 20%; 10% 1/(2-16 day) HIRIS AM2 Usin 2444 AM 20%; 10% 1/(2-16 day) CIONAL				HTRIS	AM2	Ustin, Wessman	2614	BM	30% :: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
HIRIS AM2 Usin 2657 AM- 40% :: 20% 1/(2-16 day)		Vegetation Physiography	2693						10% :: 10%	I/mo	I bn :: LandiR	N/A :: Sfe
HIRIS AM2 Usin 2657 AM- 40%::20% 1/(2-16 day)				HIRIS	AM2	Ustin	2656	AM.	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
HRIS AM2 Usin 2656 AM 40% : 20% 1/(2-16 day) HRIS AM2 Usin 2656 AM 20% : 20% 1/(2-16 day) HRIS AM2 Usin Wessman 241 AM 20% : 10% 1/(2-16 day) HRIS AM2 Usin Wessman 241 AM 20% : 10% 1/(2-16 day) HRIS AR2 AR3 AR4				HIRIS	AM2	Ustin	2657	AM-	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
HIRLS AMZ Ustin, Wessman 2741 AM 2.0% 1/(2-16 day)		Vegetation Structure	2726							l/seas	I km :: LandIR	N/A :: Sfc
HIRIS AM2 Usin, Wessman 274 AM 20% :: 10% 1/(2-16 day)				HIRIS	AM2	Ustin	9592	AM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Albedo, Sea_Ice 2012 EOSP AERO,AM2 Travis 3644 AM 5%::: 0.05 :: 0.05 1/(3 day) Cloud Cover 2076 CERES TRM,AMPM Bartstrom 2088 BM 5%:: 2% 1/day [Avg], 1/mo [Avg] AIRS PM Chaline, Chedin 2062 AM 0.05 :: 0.025 2/day [d.n] Cloud Height, Top 1419 CERES TRM,AMPM Bartstrom 1431 BM 0.5 km:: 0.1 km 1/(5-16 day) [d.n] Cloud Height, Top AIRS PM Chaline, Chedin 1432* AM 0.5 km:: 0.1 km 1/(5-16 day) [d.n] AIRS PM Chaline, Chedin 1432* AM 0.5 km:: 0.1 km 1/(5-16 day) [d.n] MODIS AMPM Merzel 1529* AM 30 mb:: 30 mb 1/day, 1/mo 1/(day) [d.n] MODIS AMPM Merzel 1529* AM 30 mb:: 30 mb 1/(day) [d.n] EOSP ARRO,AM2 Travis 1530* AM 30 mb:: 30 mb 1/(day) [d.n] AIRS ARRO,AM2 Travis 1530* AM 30 mb:: 30 mb 1/(day) [d.n] AIRS ARRO,AM2 Travis 1530* AM 30 mb:: 30 mb 1/(day) [d.n] AIRS ARRO,AM2 Travis 1530* AM 30 mb:: 30 mb 1/(day) [d.n]				HIRIS	AM2	Ustin, Wessman	2741	AM	20% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Cloud Cover 2076 CERES TRM,AM,PM Bartarom 2088 BM 5%:: 2% 1/day [Avg], 1/mo [Avg] MODIS AM,PM Bartarom 2088 BM 5%:: 2% 1/day [Avg], 1/mo [Avg] CERES TRM,AM,PM Bartarom 2082 BM 10%:: 5% 1/day [Avg], 1/mo [Avg] CERES TRM,AM,PM Bartarom 430 BM 1.0 km:: 0.1 km 1/day [Avg], 1/mo [Avg] CERES TRM,AM,PM Bartarom 1431 BM 0.5 km:: 0.1 km 1/day [Avg], 1/mo [Avg] CERES TRM,AM,PM Bartarom 1431 BM 0.5 km:: 0.1 km 1/day [Avg], 1/mo [Avg] MISR AM Diner 1/day 4/m 1/day [Avg] 1/day [Avg] MODIS AM,PM Merzel 1529 AM 30 mb:: 20 mb 1/day [Avg] EOSP ARROAM2 Travis 1530 AM 30 mb:: 30 mb 1/day [Avg] Tavis Ta		Albedo, Sea Ice	2012						0.05 :: 0.05	11(3 day)	25 km :: Polar	N/A :: Sfc
Cloud Cover 2076 CERES TRM,AM,PM Bartarom 2088 BM 5%.::2% 1/day [Avg], 1/mo [Avg], 1/mo [Avg] ALISS AM,PM King 2082 BM 1.0%.::5% 1/day [Avg], 1/mo [Avg], 1/mo [Avg] CERES TRM,AM,PM Grahine, Chedin, 2062 AM 0.05:::0025 2/day [d.n] CLOM Heigh, Top 1419 CERES TRM,AM,PM Bartarom 1431 BM 0.5 km:::0.1 km 1/day [d.n] CERES TRM,AM,PM Bartarom 1431 BM 0.5 km:::0.1 km 1/day [d.n] AMS PM Chedin, Chedin, 1421* AM 0.5 km:::0.1 km 1/dsy [d.n] AMS AM Sim:::0.25 km 2/day [d.n] 1/dsy [d.n] AMODIS AM,PM Merzel 1529 AM <1/day [d.n]				EOSP	~	Travis	3644	ΑM	5%::	2 day [d]	10 km :: G	NA :: Cloud, Sfc
CERES TRM,AM,PM Bartstrom 2088 BM 5%::2% 1/day [Avg], 1/mo [Avg], 1/mo [Avg] AIRS AM,PM King 2062 BM 1.0%::5% 1/day, 1/mo [Avg], 1/mo [Avg], 1/mo [Avg] Cloud Heigh, Top AIRS PM Chabine, Chedin, 2062 AM 0.05::0025 2/day [d.n] Cloud Heigh, Top CERES TRM,AM,PM Bartstrom 1430 BM 1.0 km::0.1 km 1/day [Avg], 1/mo [Avg], 1/mo [Avg] AIRS PM Chabine, Chedin, 1431 BM 0.5 km::0.1 km 1/day [d.n] 1/day AIRS PM Chabine, Chedin, 1431 BM 0.5 km::0.1 km 1/day [d.n] 1/day MODIS AM,DM Merzel 1432* AM <1000 m::0.00 m		Cloud Cover	2076						1.0 :: 1.0	1/day	100 km :: Polar	NIA :: Cloud
AIRS PM Chabine, Chedin, 2052 AM 10% :: 5% 1/day, 1/mo CIERES TRM,AM,PM Bartatrom 2086 AM 5% :: 2% 6/day [d.n] CIERES TRM,AM,PM Bartatrom 1430 BM 1.0 km :: 0.1 km 1/day CIERES TRM,AM,PM Bartatrom 1431 BM 0.5 km :: 0.1 km 1/day 4/g, 1/mo [Avg] AIRS PM Chabine, Chedin, 1421* AM 0.5 km :: 0.25 km 1/day [d.n] MISR AM Dinor 1432* AM 50 mb :: 20 mb 1/day [d.n] MODIS AM,PM Merzel 1529 AM 30 mb :: 20 mb 1/day [d.n] EOSP AERO,AM2 Travis 1530 AM 30 mb :: 30 mb 1/day [d.n]				CERES	TRM,AM,PM	Barkstrom	2088	BM	5% :: 2%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
CIRES TRM_AM_PM Bartatrom 2062 AM 0.05::0.025 2/day [d.n]				MODIS	AM,PM	King	2082	BM	10% :: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
Cloud Height, Top 1419 CERES TRM,AM,PM Bartetrom 2086 AM 5%::2% 6/day [d.n] Cloud Height, Top CERES TRM,AM,PM Bartetrom 1430 BM 1.0 km::0.1 km 1/day CERES TRM,AM,PM Bartetrom 1431 BM 0.5 km::0.1 km 1/f6 km) AIRS PM Chabline, Chedin, 1423* AM 0.5 km::0.25 km 2/day [d.n] MODIS AM,PM Merzel 1432* AM <1000 m::				AIRS		Chahine, Chedin,	2062	¥	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
Cloud Height, Top CERES TRMAM.PM Bartstrom 1430 BM 1.0 km; 0.1 km 1/day [Avg], 1/mo [Avg] CERES TRMAM.PM Bartstrom 1431 BM 0.5 km; 0.1 km 1/f6 km) AIRS PM Chabling, Chedin, 1423* AM 0.5 km; 0.25 km 2/day [d.n] MISR AM Dinor 1432* AM <1000 m; <1000 m				CERES	٦	Barkstrom	5086	¥	5% :: 2%	(day [d,n]	25 km :: G	N/A :: Atmos
TRM_AM_PM Bartstrom 1430 BM 1.0 km :: 0.1 km 1/day [Avg], 1/mo [Avg] TRM_AM_PM Bartstrom 1431 BM 0.5 km :: 0.1 km 1/f6 hz) PM Chabine, Checkin, 1423 AM 0.5 km :: 0.25 km 2/day [d.n] AM Dinor 1432 AM <1000 m :: <1000 m 1/f5.16 day) [d] AM_PM Merzel 1529 AM 50 mb :: 20 mb 1/day, 1/mo AEROAM2 Travis 1530 AM 30 mb :: 30 mb 1/day [d]		Cloud Height. Top	1419						0.2km :: 0.2km	11day	100 km :: Potar	:: Cloud
TRM_AM_PM Bartstrom			_	CERES		Barkstrom	1430	BM	1.0 km :: 0.1 km	1 /day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	0.1 km :: Atmos
PM Chabitine, Chedita, 1423* AM 0.5 km :: 0.25 km 2/day [d.n] AM Dinor 1432* AM <1000 m :: <1000 m				CERES	TRM, AM, PM	Barkstrom	1431	BM	0.5 km :: 0.1 km	1/(6 hr)	1.25 x 1.25 dg :: G	0.1 km :: Atmos
AM Diner 1432* AM <1000 m :<1000 m AM,PM Merzel 1529 AM 50 mb :: 20 mb AERO,AM2 Travis 1530 AM 30 mb :: 30 mb				AIRS		Chahine, Chedin,	1423	₹	0.5 km :: 0.25 km	2/day [d,n]	15 x 15 · 50 x 50 km :: G	N/A :: Cloud
AM,PM Merzel 1529 AM 50 mb:: 20 mb AERO,AM2 Travis 1530 AM 30 mb:: 30 mb				MISR		Diner	1432•	₹	<1000 m :: <1000 m	1/(5-16 day) [d]	5 km :: G	N/A :: Trop
AERO, AM 30 mb :: 30 mb			•	MODIS		Menzel	1529	₹:	50 mb :: 20 mb	1/day, 1/mo	1 dg :: G	N/A :: Cloud
				EUST	٩l	ITAVIS	OK CI	\	30 mb :: 30 mb	1/day [d]	40 km :: G	30 mb :: Cloud

L-50

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	* T 4 * 4 * 1 001					1	-	-		1 11	1/2 49 1
Invectioator	Product Name	Prod #	Instr	Platforms	Investigator Prod#	Prod # Match	Match	Accuracy Abs :: Rel	Resolution	Resol :: Cover	Vertical Resol :: Cover
٦.	Cloud Transmission	75.5		188				1010	1/400	100 to 10	N/A Cloud
	Ciona i racinasirii)	<u>ا</u> ك		8				20. 20.0	(ap)	100 001	
			EOSP	ا <u>د</u>	Travis	2313	BM	20% :: 10%	1/day [d]	2: E3 C4	Column :: Cloud
		1	1		King	2312	BM	20%:: 10%	1/day. 1/mo	D :: S	N/A :: Cloud
			┪	- 1	Barkstrom	2317	ΑM	10%:: 5%	1/day [Avg], 1/mo [Avg]	1.25 dg :: G	N/A :: Atmos
			CERES	TRM,AM,PM	Barkstrom	2318	ΑM	25% :: 5%	1/(61파)	1.25 dg :: G	N/A :: Atmos
-			CERES	TRM,AM,PM	Barkstrom	2322	AM	10%:: 5%	[1,44sy [Avg], 1,4mo [Avg]	1.25 dg :: G	N/A :: Atmos
			CERES	TRM,AM,PM	Barkstrom	2323	AM	25%:: 5%	1/(६ मः)	1.25 dg :: G	N/A :: Atmos
			CERES	TRM,AM,PM	Barkstrom	2321	W.	25% :: 10%	3/day [d]	25 km :: G	N/A :: Atmos
		<u>. </u>	CERES	TRM,AM,PM	Barkstrom	2316	₩	25%:: 10%	(n,b) (ab/)	25 km :: G	N/A :: Atmos
Rothrock	Humidiry, Near sfc	/820							I/day	100 km :: Polar	:: Near sfc
			AIRS	PM	Chedin, Fleming,	1828	BM	10% :: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
Rothrock	Piement Conc. Phytoplantion	2590							1/(2 day)	10 km :: Polar	N/A::TOO
		2	MISR	MA	Diner	2589	BM	30%:: 30%	1/(1-2 day) [d]	1.92 km :: Ocean/G.R	OOT :: A/N
			MODIS	2	Gordon, Clark	2592	Æ	30%:: 10%	1/day, 1/wk, 1/mo	1 km :: Ocean/R.L.	N/A:: TOO
			MODIS	AM PM	Gordon, Clark	2591	W.	30%:: 10%	1/dav. 1/wk. 1/mo	20 km :: Ocean/G,R	N/A:: T00
Rothrock	Sea Ice Conc. First-wear	3165						0.2 :: 0.2	11(3 day)	25 km :: Ocean/Cryo	NIA :: Sfc
			MIMR	M	TBD	3609	BM			22 km :: Ocean/Cryo	:: Sfc
		-	MIMR		QBI	3611	BM			22 km :: Ocean/Cryo	N/A :: Sfc
Rothrock	Sea Ire Con GCM	1178						0.03 :: 0.03	1//3 day)	25 bm :: Ocean/Cryo	NIA :: Sfc
		2	MIMR	M	TBD	3611	BM BM		77	22 km :: Ocean/Cryo	N/A :: Sfc
Rothrock	Sea fee Conc. Multi-year	2/12					000000000000000000000000000000000000000	0.2 :: 0.2	11(3 day)	25 km :: Ocean/Cryo	NIA :: Sfc
			MIMR	M	TBD	3611	EM			22 km :: Ocean/Cryo	N/A :: Sfc
		•	MIMR	Æ	TBD	3613	Æ			22 km :: Ocean/Cryo	N/A :: Sfc
Rothrock	Sea fee Cover	31.88						0.03 :: 0.03	11(3 day)	25 km :: Ocean/Cryo	NIA :: Sfc
	+		AIRS	M	Oredin. Stackin	31510	BM	0.1:: 0.1	2/day [d,n]	50 km :: Ocean/Cryo	N/A :: Sfc
			MIMR	M	TBD	3611	BM			22 km :: Ocean/Cryo	N/A:: Sfc
Rothrock	Sea Ice Edge	3189						50:0 :: 50:0	11(3 day)	25 km :: Ocean/Cryo	NIA :: Sfc
	•		MODIS	AM,PM	Salomonson	3153	BM	<=5%:: <=5%	1/day, 1/wk, 1/mo	10 km :: Occan/Cryo	N/A :: Sfc
			MIMR	M	TBD	3613	BM			22 km :: Ocean/Cryo	N/A :: Sfc
Rothrock	Sea Ice Motion	3103					000000000000000000000000000000000000000	0.5 km :: 0.5 km	11(3 day)	25 km :: Ocean/Cryo	NIA :: Sfc
	ı		MIMR	M	TBD	3613	BM			22 km :: Ocean/Cryo	N/A :: Sfc
			MIMR	PM	TBD	3611	ВМ			22 km :: Ocean/Cryo	N/A :: Sfc
			AIRS	Md	Chedin, Staelin	3151*	BM	0.1 :: 0.1	2/day [d.n]	50 km :: Ocean/Cryo	N/A:: Sfc
Rothrock	Sea sfc Temperature (SST)	2579						1 K :: 1 K	11(2 day)	30 km :: G	NIA :: Sfc
			MODIS	MA'MV	Вгочп	2528	ВМ	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
			MODIS	AM,PM	Brown, Barton	2531	ВМ	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
			AIRS	PM	Chedin, Fleming.	_	₹	0.5 - 1 K :: 0.4 - 0.5 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc
			MODIS	AM,PM	Brown, Barton	2532	¥	0.3-0.4K :: 0.1-0.6K	1/day, 1/wk, 1/mo	50 km :: Ocean	N/A:: Sfc
			MIMR	PM	TBD	3603	ΑM			60 km :: Ocean	N/A :: Sfc
Rothrock	Temperature, Near stc	1627						2 K :: 2 K	IIday	100 km :: Polar	NIA :: Near sfc
			AIRS	MA	Chedin, Fleming,	1588	BM	1.0 K :: 0.4 K	2/day [d,n]	15 x 50 - 50 x 50 km :: G	1,2 km :: Atmos
Rothrock	Wind Velocity, Sea sfc	6991						2 m/s :: 2 m/s	1/day	100 km :: Polar	NIA :: Near sfc
			STIKSCAT	CHEM	Freilich	1679	BM	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near_Sfc
			STIKSCAT	CHEM	Freilich	1680	AM	:: 10%; 16 deg	1/(2 day)	25 km :: Occan	N/A :: Near_Sfc
			SAIRS	PM	Aumann	1718*	AM-		1/day	50 km :: Ocean	N/A :: Sfc
Rothrock	Wind Velocity, Sea sfc	1670						2 m/s :: 2 m/s	l/day	25 km :: Polar	NIA :: Sfc
			STIKSCAT	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
		i									

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Secondary Production Prod		Inc launt Data Dada		2									•
Virginite Virg	Investigator	Product Name	Prod #	Inetr	Platforms	Investigation	Toduct	Motok	Accuracy	Temporal	Horizontal	Vertical	_
Following Control Foll	Doctored	Wind Valuette Con afe	1 25	1.0341	200		* 85.	in in it.	AUS :: KEI	Kesolution	Kesol :: Cover.	Kesol :: Cover,	
PAR June open (1994) 225 AND December 2004 AND December 2004 AND AOIMOCK	wing velocity, sea spe	10/01	SIIKSCAL		Freilich	1679	¥	:: 7%, 16 deg	1/(2 day)	l dg :: Occan	N/A :: Near_Sfc	_	
P.P.R. Intercepted (1944) 2254 MODSS MAJPA Three 2254 1504 1505 1504	Schimel	PAR, Intercepted, (IPAR)	2263						10%::1%	I day	500 m :: 6 suestL	NIA :: Sfc	_
PAR Intercepted (1944) 2245 1101.05 1404 1514				MODIS		Tarıre	2268	BM	200 :: 5 - 20%	1/day, 1/wk	1 km :: G,R	N/A :: Atmos	,
PARI Intercepted (1744) 225 HIRES AAJ2 Usin, Wessern 2019 His 2545 USin 100 1545 USin 100 1545 USin 100 1545 USin 100 USin 100 USin 100 USin Schimel	PAR, Intercepted, (IPAR)	5264						10%::1%	I/wk	30 m :: 6 site#L	NIA :: Sfc	_	
PAR Interpret				HIRIS		Ustin, Wessman	2030	BM-	25%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	1
Torgetines, Nat. 3ft 1622 1632 1440	Schimel	PAR, Intercepted, (IPAR)	2265						10% :: 1%	[multiple]	Imultiple! :: 6 sited!.	NIA :: Sfc	_
Temperature, New 3ft 1813 PM Cheek-French 1818 BM 10K = 164 10				MODIS		Tarre	2268	BM	200 :: 5 - 20%	1/day, 1/wk	1 km :: G.R	N/A :: Atmos	,
MODIS ANI Conce, France 1841 155, 150 155,	Schimel	Temperature, New sfc	1632						%1 :: %01	(multiple)	Imultiple! :: 6 sites!.	NIA .: SE	_
Temperate,				AIRS		Chedin, Fleming,	1588	BM	1.0 K :: 0.4 K	2/day [d.n.]	15 x 50 - 50 x 50 km :: G	1.2 km :: Atmos	-
Temporator, Nov. 261 ASTER AMI Kode, Bode C 201 BM 145 ft; 0.1 K 100 ks, 100 100 m; 6 storif				MODIS		Wen	2484	AM-	10::10	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc	_
Vegetation Charaphyll Cone. 2615 ANI Kabit, Rate, C 2415 BN 140,0 (40) 107,0 (40) 50 m; Land.	Schimel	Temporature, New stc	1633						10%::1%	1/day, 1/wk	30 m :: 6 sitest	N/A :: S/c	_
Vegetation Chlorophyll Cone 251 HISS ANZ Usin, Vicenson 251 BM 1706; 154 1 [12:16:45] 10 m; 26 start[10 m; 26 start				ASTER		Kahle, Becker, Cr	2483	BW-	1-6 K :: 0.3 K	1/(2-16 day)	90 m :: Land	N/A:: Sfc	_
HIRIS ANI	Schimel	Vegetation Chlorophyll Conc	2651						10%:: 1%	1/wk	30 m :: 6 sitest.	N/A :: S/c	_
Vegetation Charge/yil Conc. 2023 IRBS AATTR Libbil Vegetation Charge/yil Conc. Image: 1770 Libbil Lod (No. 1) (10-1) (40) (10-1) Image: 1770 Libbil Charge (Lod) Image: 1770 Image: 1770 <t< td=""><td></td><td></td><td>-</td><td>HIRIS</td><td></td><td>Ustin, Wessman</td><td>2653</td><td>BM</td><td>25%:: 10%</td><td>1/(2-16 day)</td><td>30 m :: Land/L</td><td>N/A :: Sfc</td><td>7</td></t<>			-	HIRIS		Ustin, Wessman	2653	BM	25%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	7
	Schimel	Vegetation Chlorophyll Conc	2652						10%:: 1%	(multiple)	Imultiple! .: 6 sites!!.	N/A Sfe	~
Vegetation Evoporous 1790 ANTERNATION (1992) ANTERNATION (1992)<				HIRIS		Ustin, Wessman	2653	BM	25% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	Τ.
Vigetation Index, Log Area, (LA) 2678 AAJPAN Raming 2580 BM 01-025 :: 204 1/48, 1/mo 90 m:: Land/R.L. HIRIS AAAJ Clining 2274 AAM 2045:: 105 1/48, 1/mo	Schimel	Vegetation Evapotrans	1790						20% :: 5%	1/wk	30 m 6 siles!	N/A C/C	_
Vegetation funder, Leef Avera (LAI) 2078 AAMPH Running 2540°F 2540°F 1104 Filtro 1004 St. 174 1104 Filtro 20 m :: 6 stared Land(RAL) Vegetation funder, Leef Avera (LAI) 2079 AAMPH Running 2744 AM 2074 St. 174 110-16 day) 100 m :: Land(R.L. La				ASTER		Schmugge	1791	BM	1 mm/day :: 0.5 mm/day		90 m :: Land/R.L	N/A :: Sfc	_
MODIS AAMPH Rimining 260° BN 0.1-02s; 5.20% 1/42.1 kety	Schimel	Vegetation Index, Leaf Area, (LAI)	2678			3			10%::1%	1/wk. 1/mo	30 m :: 6 siteal.	N/A :: Sfc	_
HIRIS AMI Gliepte 7147 AM 20% 10%				MODIS		Ruming	2680	BM	0.1-0.25 :: 5-20%	1/day, 1/wk	pixel size :: Land/G.R.L.	A/N :: A/N	1
Vegetation Indo., Led Area (Lul) 2079 ASTER AMT Gillepic 2247 AM Gillepic AMPH Ranning 2640 BM G.1.0.25 : 5.20% Interest 10 milepic G. sined (L. L.				HIRIS		Ustin et al	2746	₩	20% :: 10%	1/(2-16 day)	30 m :: Lend/L	N/A :: Sfc	7
Vegetation Lipsis Conc. 2659 MADDIS AMDDIS				ASTER		Gillespie	2747	ΑM			15 m :: Land/R,L	N/A :: Sfc	ī
Vegetation Lipuis Cone 2045 IAM MINIS AMJP M Running 2646 BM 0.10.22s. 5.20% 1 (day, 1/b4 to pice), size: Land/OR, L Vegetation Lipuis Cone 2666 HIRIS AM2 Wessenn, Aber 2087 BM 20%. 1% 1 (1.2.16 day) 30 m.: Land/L Vegetation Lipuis Cone 2666 HIRIS AM2 Wessenn, Aber 2087 BM 20%.: 1% 1 (1.2.16 day) 30 m.: Land/L Vegetation Froduction, Na Primary, (NPP) 2666 HIRIS AM2 Vegetation Structure 2641 HIRIS AM2 20%.: 20% 1 (1.2.16 day) 30 m.: Land/L Vegetation Structure 2641 HIRIS AM2 200 BM 100:: 5.30% 1 (1.2.16 day) 30 m.: Land/L Vegetation Structure 2642 HIRIS AM2 200 BM 100:: 5.30% 1 (1.2.16 day) 30 m.: Land/L Vegetation Structure 2642 AM2 1 (2.1.6.4.2.2.2.2.2.2.2.2.2.2.2.3.2.3.3.3.3.3.3	Schimel	Vegetation Index, Leaf Area, (LAI)	2679						10% :: 1%	[multiple]	multiple :: 6 sites/L	NIA :: Sfc	7
Vegetation Lighis Conc. 2685 HIRIS ANAZ Westerman, Aber 2687 BM 40%::20% I/Icetus 10 in::6 sinest. 30 m:: Landf. Vegetation Lighis Conc. 2666 HIRIS ANAZ Westerman, Aber 2687 BM 40%::20% I/IC-16 day) 30 m:: Landf. Vegetation Finduction, Net Primary, (NPP) 2686 HIRIS AAAZ Westerman, Aber 2687 BM 40%::20% I/IC-16 day) 30 m:: Landf. Vegetation Finduction, Net Primary, (NPP) 2688 AAAZ Westerman, Aber 2687 BM 40%::20% I/IC-16 day) 30 m:: Landf. Vegetation Structure 2641 HIRIS AAAZ Usin 2657 AAA 40%::20% I/IV 30 m:: Landf. Vegetation Structure 2642 HIRIS AAAZ Usin 2657 AAA 40%::20% I/IC-16 day) 30 m:: Landf. Vegetation Structure 2642 HIRIS AAAZ Usin 2657 AAA 40%::20% I/IC-16 day) 30 m:: Landf. Vege				MODIS		Running	2680	BM	0.1-0.25 :: 5-20%	1/day, 1/wk	pixel size :: Land/G.R.L.	A/N::A/N	_
HRIS AM2 Westman, Aber 268 HM 20% : 1/8 Imitiple I	Schimel	Vegetation Lignin Conc	2685						20% :: 1%	l/seas	30 m :: 6 sitest	NIA :: S/c	_
Vegetation Lignic Cone 2686 HIRIS AAAZ Wessenn, Aber 2687 BM 20%::1% [multiple] [multiple] [multiple] [multiple] 3 0m::1 and Liand. Vegetation Production, Na Primary, (NPP) 2689 AMA AMERINA 2009 100::3.00% 1/02-16 day) 3 0m::0 airest. Vegetation Production, Na Primary, (NPP) 2689 AMA AMAL Nath 2057 AM 40%::20% 1/02-16 day) 3 0m::0 airest. Vegetation Structure 2641 HIRIS AAAL Usin 2657 AM 40%::20% 1/02-16 day) 3 0m::Land. Vegetation Structure 2647 HIRIS AAAZ Usin 2657 AM 40%::20% 1/02-16 day) 3 0m::Land. Vegetation Structure 2643 HIRIS AAAZ Usin 2657 AM 40%::20% 1/02-16 day) 3 0m::Land. Vegetation Structure 2643 HIRIS AAAZ Usin 2657 AM 40%::20% 1/02-16 day) 3 0m::Land. Figeta				HIRIS		Wessman, Aber	2687	BM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc	1
HIRIS AM2 Westernin, Aber 2647 EM4 40%; 20% 1/(2-16 day) 30 m; Land/L	Schimel	Vegetation Lignin Conc	2686						20% :: 1%	[multiple]	Imultiple! .: 6 sitest!.	N/A :: S/c	_
Vegetation Froduction, Na Primary, (NPP) 2696 AAJPM Running 2709* BM 100s. 5.30% 1/ly 5500 m.: 6 sizet/L Vegetation Structure 2641 AMDIS AAAP Ustin 2677 AM 40%:: 30% 1/ly 30 m.: 6 sizet/L Vegetation Structure 2641 HIRIS AAMZ Ustin 2657 AM 40%:: 30% 1/f2-16 day) 30 m.: Landf. Vegetation Structure 2642 HIRIS AAMZ Ustin 2655 AM 40%:: 30% 1/f2-16 day) 30 m.: Landf. Vegetation Structure 2642 HIRIS AAMZ Ustin 2657 AM 40%:: 30% 1/f2-16 day) 30 m.: Landf. Vegetation Structure 2643 HIRIS AAMZ Ustin 2657 AM 40%:: 30% 1/f2-16 day) 30 m.: Landf. Vegetation Structure 2644 HIRIS AAMZ Ustin 2657 AM 40%:: 20% 1/f2-16 day) 30 m.: Landf. Interpretaring Structure 1010 AAMZ Ust				HIRIS		Wessman, Aber	2687	BM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	$\overline{}$
Vegetation Structure 2641 HRISS AAA,PAM Running 2707° BM 100::5.30% 1/Ar. 1/Ino. 1/yr 1 km: LinadG.R Vegetation Structure 2641 HRISS AAA2 Usin 2657 AAM 40%::20% 1/(2-16 day) 30 m:: LinadG.R Vegetation Structure 2642 HRISS AAA2 Usin 2657 AAM 40%::20% 1/(2-16 day) 30 m:: LinadG.R Vegetation Structure 2643 HRISS AAA2 Usin 2657 AAM 40%::20% 1/(2-16 day) 30 m:: LinadG.R Vegetation Structure 2643 HRISS AAA2 Usin 2657 AAM 40%::20% 1/(2-16 day) 30 m:: LinadG.R Vegetation Structure 2643 AAA2 Usin 2657 AAM 40%::20% 1/(2-16 day) 30 m:: LinadG.R III Acrosol Conc 1010 AAA Usin 2657 AAM 40%::20% 1/(2-16 day) 30 m:: LinadG.R II Acrosol Size-distribation 1021 AAA Usin 2657<	Schimel	Vegetation Production, Net Primary, (NPP)							20% :: 5%	1/4	500 m : 6 sites!	N/A ·· S/c	т-
Vegetation Structure 2641 HIRIS AMIZ Usin 2657 AM 40%:: 20% 1/yr 30 m:: Land(L. Vegetation Structure 2642 HIRIS AM2 Usin 2657 AM 40%:: 20% 1/(2-16 day) 30 m:: Land(L. Vegetation Structure 2642 HIRIS AM2 Usin 2657 AM 40%:: 20% 1/(2-16 day) 30 m:: Land(L. Vegetation Structure 2643 HIRIS AM2 Usin 2657 AM 40%:: 20% 1/(2-16 day) 30 m:: Land(L. Vegetation Structure 2643 HIRIS AM2 Usin 2657 AM 40%:: 20% 1/(2-16 day) 30 m:: Land(L. III Acrosol Conc 1010 AM2 Usin 2655 AM 40%:: 20% 1/(2-16 day) 30 m:: Land(L. III Acrosol Conc 1010 AM2 Usin 2655 AM 40%:: 20% 1/(2-16 day) 30 m:: Land(L. III Acrosol Size-distribution 1010 AM2 Usin				MODIS		Running	2703	BM	100 :: 5-30%	1/wk, 1/mo, 1/yr	1 km :: Land/G.R	A/N : A/N	
HIRIS AM2 Usin 2657 AM 40%::20% 1/(2-16 day) 30 m::Land/L 1/(2-16 day) 1/(2-	Schimel	Vegetation Structure	2641						.: 5%	11/7	30 m :: 6 suest.	N/A :: Sfc	т-
Vegetation Structure 2642 AM2 Ustin 2656 AM 40%::20% 1/(2-16 day) 30m::1and/L Vegetation Structure 2647 AM2 Ustin 2657 AM 40%::20% 1/(2-16 day) 30m::Land/L Vegetation Structure 2643 HIRIS AM2 Ustin 2657 AM 40%::20% 1/(2-16 day) 30m::Land/L Negetation Structure 2643 AM2 Ustin 2657 AM 40%::20% 1/(2-16 day) 30m::Land/L Aerosol Conc 1010 AM2 Ustin 2656 AM 40%::20% 1/(2-16 day) 30m::Land/L Aerosol Conc 1010 AM2 Ustin 2656 AM 40%::20% 1/(2-16 day) 30m::Land/L Aerosol Conc 1010 AM2 Ustin 2656 AM 40%::20% 1/(2-16 day) 30m::Land/L Aerosol Site-distribution 1021 AM2 Ustin AM2 AM4 5.10%::1.5% 1/(2 min), 30/day 4.3.4 dg::.G Aerosol Si				HIRIS		Ustin	2657	¥	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc	1
Vegetation Structure 2642 AM2 Ustin 2657 AM 40%:: 20% 1/yr. 500 m:: 6 sites/L Vegetation Structure 2643 HIRLS AM2 Ustin 2655 AM 40%:: 20% 1/(2-16 day) 30 m:: Land/L Vegetation Structure 2643 HIRLS AM2 Ustin 2655 AM 40%:: 20% 1/(2-16 day) 30 m:: Land/L Negetation Structure 2643 HIRLS AM2 Ustin 2656 AM 40%:: 20% 1/(2-16 day) 30 m:: Land/L Acrosol Conc 1010 HIRLS AM2 Ustin 2656 AM 40%:: 20% 1/(2-16 day) 30 m:: Land/L Acrosol Conc 1010 Am 40%:: 20% 1/(2-16 day) 30 m:: Land/L 1 Acrosol Conc 1010 Am 40%:: 20% 1/(2-16 day) 30 m:: Land/L 30 m:: Land/L Acrosol Site-distribution 1021 Am 5106:: 10% 26/day 1/(4day) 200 km:: G Acrosol Site-distribution 1021				HIRLS		Ustin	2656	₩	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	1
Vegetation Structure 2643 HIRIS AM2 Ustin 2656 AM 40%s:: 20% 1/(2-16 day) 30 m:: Land/L Vegetation Structure 2643 HIRIS AM2 Ustin 2656 AM 40%s:: 20% 1/(2-16 day) 30 m:: Land/L Acrosol Conc 1010 Am2 Ustin 2657 AM 40%s:: 20% 1/(2-16 day) 30 m:: Land/L Acrosol Conc 1010 Am2 Ustin 2656 AM 40%s:: 20% 1/(2-16 day) 30 m:: Land/L Acrosol Conc 1011 AM2 1012 AM 40%s:: 20% 1/(2-16 day) 30 m:: Land/L Acrosol Size-distribution 1021 AM2 1078:: 5% AM 40%s:: 5% 1/(2-16 day) 30 m:: Land/L Acrosol Size-distribution 1021 AM2 5.10%s:: 1.0% 1/(2-16 day) 200 bm:: G 1 Acrosol Size-distribution 1021 AM2 5.10%s:: 1.0% 1/(2-10) 200 bm:: G 200 bm:: G Acrosol Size-distribution 1021 AM2 <	Schimel	Vegetation Structure	2642						:: 5%	liy	500 m :: 6 sites/L	NIA :: Sfc	1
Vegetation Structure 2643 HIRIS AM2 Ustin 26.56 AM 40%:: 20% 1/(2-16 day) 30m:: Land/L. Vegetation Structure 2643 HIRIS AM2 Ustin 26.57 AM 40%:: 20% 1/(2-16 day) 30 m:: Land/L. Acrosol Conc 1010 AM2 Ustin 26.57 AM 40%:: 20% 1/(2-16 day) 30 m:: Land/L. Acrosol Conc 1010 AM2 Ustin 26.56 AM 40%:: 20% 1/(2-16 day) 30 m:: Land/L. Acrosol Size-distribution 1010 AM2 Ustin 26.56 AM 40%:: 5% 1/(2-16 day) 30 m:: Land/L. Acrosol Size-distribution 1021 AM3 AM3 5%:: 5% 1/(2-16 day) 4 x 4 dg:: G Ax 4 dg:: G Acrosol Size-distribution 1021 AM4PM Taure, Kaufman 1022 BM 10540;: 5% 1/(3-16 day), Imp 0.5 dg:: GR MODIS AM Diner 1993 AM 11/(3-16 day), Imp 0.16 day, Imp; Gay) 11/(3-16 day)				HIRIS		Ustin	2657	ΑM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	
Vegetation Structure 2643 AM2 Ustin 26.57 AM 40%:: 20% multiple				HIRIS		Ustin	2656	₩	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	
HIRIS AM2 Ustin 2657 AM 40%::20% 1/(2-16 day) 30 m::Land/L HIRIS AM2 Ustin 2656 AM 40%::20% 1/(2-16 day) 30 m::Land/L Acrosol Conc 1010 SAGE-III AERO,C'HEM McCormick 1012 AM- 5%::5% 1/(2 min), 30/day 200 Im::G HIRDLS C'HEM Barnett, G'ille 1992 AM- 5%::5% 1/(2 min), 30/day 4 x 4 dg::G Acrosol Size-distribution 1021 MODIS AM,PM Tarre, Kaufman 1022 BM 10-30%::10% 1/(3-16 day) 15,4 km::G MODIS AM,PM Tarre, Kaufman 1022 BM 10-30%::10% 1/(5-16 day) 15,4 km::G MISR AM Diner 1993 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 9,16 day; mo; seas; yr 15,4 km::G MISR AM Diner 3678 AM 15%::10% 11,4 km::G MISR AM Diner 10,5 km::G 10,5 km::	Schimel	Vegetation Structure	2643						.: 5%	[mutiple]	[multiple] :: 6 sites/L	NIA :: Sfc	_
Acrosol Conc 1010 SAGE-III AERO,CHEM McCormick 1012 AM- 5%::5% 1/(2 min), 30/day 30 m: Land/L. Acrosol Size-distribution 1021 ARDIS 1021 AM- 5%::5% 1/(2 min), 30/day 200 Im::G 200 Im::G Acrosol Size-distribution 1021 ARDIS AM- 5%::5% 1/(2 min), 30/day 4 x 4 dg::G 1/(2 min), 30/day 200 Im::G 1/(2 min), 30/day 4 x 4 dg::G 1/(2 min), 30/day 200 Im::G 1/(2 min), 30/day <td></td> <td></td> <td></td> <td>HIRIS</td> <td></td> <td>Ustin</td> <td>2657</td> <td>AM</td> <td>40% :: 20%</td> <td>1/(2-16 day)</td> <td>30 m :: Land/L</td> <td>N/A :: Sfc</td> <td>$\overline{}$</td>				HIRIS		Ustin	2657	AM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	$\overline{}$
Acrosol Conc 1010 SAGE-III AERO,C'HEM McCormick 1012 AM- 558.:5% 11/2 min), 30/day 220 Lm.: G 2 x < cl dg.: G Acrosol Size-distribution 1021 AM-PM Turre, Kaufman 1922 AM- 5-10%.: 1-10% 2/day [d.n] 4 x 4 dg.: G 2 Acrosol Size-distribution 1021 AM-PM Turre, Kaufman 1022 BM 10-30%.: 10% 1/day, 1/mo 0.5 dg.: GR 15.4 km.: G MISR AM Diner 1993 AM 155%.: 10% 9.16 day, 10d; 15.4 km.: G 15.4 km.: G				HIRIS		Ustin	2656	AM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc	$\overline{}$
SAGE-III AERO,C'HEM McComick 1012 AM- 558.:554 1/(2 min), 30/day C2 x < 1 dg.: G	Schoeberl	Aerosol Conc	1010						10%::5%	11day	200 km :: G	I km :: Strat	1
Acrosol Size-distribution 1021 CHEM Barnett, Gille 1992 AM- 5-10%::1-10% 2/day [d.n] 4 x 4 dg:: G Acrosol Size-distribution 1021 MODIS AM,PM Taure, Kaufman 1022 BM 10-30%:: 10% 1/day, I/mo 0.5 dg:: G,R MISR AM Diner 1993 AM 15%:: 10% 1/(5-16 day) [d] 15.4 km:: G MISR AM Diner 3678 AM 15%:: 10% 9.16 day; mo; seas; yr 15.4 km:: G				SAGEIII	AERO, CHEM	McCormick	1012	AM-	5%:: 5%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 0-40 km	
Acrosol Size-distribution 1021 AM_PM Turre, Kaufman 1022 BM 1030% :: 10% 1/day, I/mo 0.5 dg :: GR 6 MISR AM Diner 1993 AM 15% :: 10% 1/(5·16 day) [d] 15.4 km :: G 15.4 km :: G MISR AM Diner 36.78 AM 15% :: 10% 9.16 day; mo; seas; yr 15.4 km ?: G				HIRDLS		Barnett, Gille	1992	AM.	5-10%:: 1-10%	2/day [d.n]	4×4dg:: G	1 km :: 7-30 km	
AM_PM Tarre, Kaufman 1022 BM 10-30% :: 10% 1/day,1/mo 0.5 dg :: G.R AM Diner 1993 AM 15% :: 10% 1/5-16 day)[d] 15.4 km :: G AM Diner 3678 AM 15% :: 10% 9,16 day; mo; seas; yr 15.4 km? :: G	Schoebal	Aerosol Size-distribution	1021						10% :: 5%	1/day	200 km :: G	I km :: Strat	
AM Diner 1993 AM 1558:: 10% 1/5·16·day) [d] 15.4 km:: G AM Diner 3678 AM 1558:: 10% 9.16 day; mo; seas; yr 15.4 km?: G			•	MODIS	П	Tarre, Kaufman	1022	ВМ	10-30% :: 10%	1/day,1/mo	0.5 dg :: G,R	N/A :: Atmos	
AM Diner 3678 AM 15%:: 10% 9,16 day; mo; seas; yr 15,4 km?: G				MISR		Diner	1993	ΑM	15%:: 10%	1/(5-16 day) [d]	15.4 km :: G	Column :: Atmos	
				MISR		Diner	3678	₹	15%:: 10%	9,16 day; mo; seas; yr	15.4 km ? :: G	Column :: Atmos	$\overline{}$

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Investigator Product N Schoeberl BrO Conc Schoeberl CFC-11(CFC Schoeberl CH3CI Conc Schoeberl CH4 Conc	Name FCB) Conc	Prod # 1028 1052	Instr.	Platforms	Investigator Prod#	Prod # Match	Aatch	Abs :: Rei	Resolution	Resol :: Cover.	Resol :: Cover.
	one 1(CFC13) Cone 2(CF2C12) Cone 1 Cone one	1028			d complete a service de la complete	Contract the second					
	1(CFC13) Conc 2(CF2C12) Conc 1 Conc ionc	7501	_				Contract of the Contract of th	7 :: ₩.07	I/wk	8 x 10 dg :: G	2 km :: Strat
	I(CFC13) Cone 2(CF2C12) Cone I Cone one	2501	MLS	MO	Waters	1030	BM	:: 1x10-12	1/mo. [z. mean]	0.1 x 2.5 dg :: \$2N-82S	2.5 km :: 15-50 km
	2(CF2Cl2) Conc 1 Conc ionc							15% :: 10	IIday	2x3dg::G	1.5 km :: Strat
	2(CF2C12) Conc 1 Conc ionc	33	HIRDLS	CHEM	Barnett, Gille	1055	ВМ	5-10% :: 1-10%	2/day [d,n]	4×4 dg :: G	1 km :: 7-30 km
	Conc	Š	_					15% :: 10	11day	2x3dg::G	1.5 km :: Street
	l Conc ionc ionc		HIRDLS	CHEM	Barnett, Gille	1047	ВМ	5-10% :: 1-10%	2/day [d.n.]	4×4 dg :: G	1 km :: 7-30 km
	ionc	1967						15% :: 20	I/wk	8 x 10 dg :: G	3 km :: Strat
	onc onc	1	MLS	OW	Waters	1070	BM	:: 1x10-11	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 40 km
	אתכ	8/01						15% :: 0.05	11day	2×3 dg :: G	1.5 km :: Strat
	אתכ	1	HIRDLS	CHEM	Barnett, Gille	1085	BM	5-10% :: 1-10%	2/day [d.n.]	4×4 dg :: G	1 km :: 7-65 km
	אוכ	1_	SAFIRE		Russell	1086	₩	:: 7% (15-55km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-65 km
	MC	1_	TES	Į.	Bea	1088	ΑM	:: 30 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
		1120						15% :: 5	Ilday	2x3dg::G	2 km :: Trop
		4	MOPITI	AM1	Drummond	1126	BM	:: 10%	1/(0.4 s) [?]	22 km :: G	3-4 km :: 0-15 km
		1	TES		Bear	1128	¥	:: 15 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
			TES		Beer	1129	Æ	:: 3 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
Schoebert CO Conc	340	1211						15% :: 5	Ilday	8 x 10 dg :: G	3 km :: Mid-atmos
	·	<u>. </u>	MLS	MO	Waters	122	BM	<=5%:: 3x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 60 km
		i	MLS		Waters	1125	BM	<=5%:: 1x10-5	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 60-100 km
		1	TES	Ļ	Вея	1127	¥	:: 10 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
Schoeber! CiO Cone	500	5011						10% :: 0.02	IIday	8 x 10 dg :: G	3 km :: Strat
	!	4	MLS	MO	Waters	1107	BM	<=5%:: 0.3-3x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 70 km
Schoeberl H2O (F	H2O (HDO) Conc	1856						10% :: 10%	Ilday	8 x 10 dg :: G	3 km :: Strat
		1	SAFIRE	MO	Russell	1857	BM	:: 7% (20-50 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-60 km
Schoebert H20 Conc	Conc	1821						10% :: 5%,0.05s	IIday	2 x 3 dg :: G	1.5 km :: 0-Strat
		٠	AIRS	M	Chedin, Fleming.	1828	BM	10%:: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
			HIRDLS	CHEM	Barnett, Gille	1837	BM	5-10% :: 1-10%	2/day [d.n]	4×4 dg :: G	1 km :: 7-80 km
		1	MLS	OW.	Waters	1838	BM	:: 2% <50km	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 100 km
			SAFIRE	MO	Russell	1839	AM	:: 5% (20-80 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-100 km
			SAGE-III	AERO,CHEM	McCormick	1841	Ψ	10% :: 15%	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 3-50 km
			TES	-	Bear	1843	ΨV	:: 0.5 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
			TES	CHEM	Beer	1844	AM	:: 50 ppm	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
Schoeberl H20 Conc	Conc	1822						10% :: 0.05	I/day	4 x 5 dg :: G	2.5 km :: Meso
			HIRDLS	CHEM	Barnett, Gille	1837	BM	5-10% :: 1-10%	2/day [d.n]	4 x 4 dg :: G	1 km :: 7-80 km
		I	MLS	MO	Waters	1838	Ā	:: 2% <50km	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2] :: TPSE, 100 km
			SAFIRE	MO	Russell	1839	AM	:: 5% (20-80 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-100 km
Schoeber! H202 Conc	Conc	89//						20% :: .It,.05s	IIWk	8 x 10 dg :: G	2 km :: Strat
			MLS	WO	Waters	11.11	BM	:: 1x10-10	1/day (2. mean)	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 30-40 km
		•	SAFIRE	МО	Russell	11.12	AM	:: 7% (30-35 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-50 km
Schoebert HBr Conc	Conc	8/11						20% ∷ 1	IIWE	8 x 10 dg :: G	3 km :: Strat
			SAFIRE	MO	Russell	1180	ВМ	:: 10% (25-35 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 15-40 km
Schoeher! HCN Conc	Conc	8/1						20% :: 0.01	IIWk	8 x 10 dg :: G	3 km :: Strat
			MLS	OΜ	Waters	1611	BM	<=5%:: 4x10-11	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 20-65 km
		•	SAFIRE	MO	Russell	1192	AM	:: 35% (25-30 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 25-35 km
Schoebel HCI Conc	Conc	1184						15% :: 0.1	1/day	4x5dg::G	2 km::Strat
			MLS	MO	Waters	1188	BM	<=5% :: 0.1-10x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 90 km
			MLS	MO	Waters	1189	ВМ	<=5% :: 0.1-10x10-10	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 80 km

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	IDS Innut Data Product		Ca							-	
Investigator	å	Proof #	In the	Dieterument	36	Toduct		Accuracy	Temporal	Horizontal	Vertical
over Succession	_	* B	Instr.	٤l	gator	Prod # Match	Match	Abs:: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
SCHOEDE	HCI COME	187	SAFIRE	MO	Russell	1187	VΨ	:: 5% (25-55 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-65 km
Schoeberi	HF Conc	28/						15% :: 0.05	Ilday	4 x 5 dg :: G	2 km :: Strat
			SAFIRE	MO	Russell	1197	BM	:: 15% (40-60 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 40-60 km
Schoebari	HNO3 Conc	1200						15% :: 0.1	1/day	2 x 3 dg :: G	2 km :: Strat
		1	HIRDLS	CHEM	Barnett, Gille	1202	BM	\$-10% :: 1-10%	2/day [d,n]	4×4 dg :: G	1 km :: 10-40 km
		1	MLS		Waters	1203	ΑM	<=5% :: 5x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 46 km
		1	SAFIRE		Russell	1204	ΑM	:: 7% (15-40 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10.45 km
			TES	CHEM	Beer	1206	₩	:: 3 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
Schoebert	HO2 Conc	1214						15% :: 0.02	IIday [d]	6 x 8 dg :: G	2 km :: Strai
			MLS		Waters	1216	BM	:: 3-20x10-10	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 30-80 km
			SAFIRE	MO	Russell	1217	¥	:: 7% (30-60 km)	1/(36-72 s) [?]	25 x 2.5-5 de :: 86S-86N	3 km ·· 20.75 km
Schoebert	HOCICONC	1220						20% :: 0.02	1/10/6	8 x 10 de G	2 has Chrod
			MLS	МО	Waters	1222	BM	:: 3x10.11	1/dsv	0 1 2 5 de :: 82N 826	2 C box :: 25 45 box
		L	SAFIRE		Russell	1223	W	7% (35.40 km)	(7) (2 77.7)	25 x 2 5 5 4 x 950 95N	2 tom :: 20-45 km
Schoeberl	N2O Conc	222						(1177 04-75) 20 1 11	11(-00-10-11)	VOA-509 :: 803-601	2 Km :: 20-43 Km
		7077	UIDN 6					01 :: 467	liday	2x3dg::G	2 km :: Strat
			CIUMIN S		Barnett, Cille	6571	WS.	5-10% :: 1-10%	Z/day (d,n)	4x4dg:: G	1 km :: 7-60 km
		1_	MILS		Waters	1240	¥	<=5%:: 1-10x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 65 km
		_1.	SAFIRE	T	Russell	1241	₹	:: 15% (20-35 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 20-40 km
			TES	CHEM	Beer	1243	¥	:: 10 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
Schoeberi	N2O5 CONC	1252						15% :: 20%	Ilday	8 x 10 dg :: G	3 km :: Strat
			HIRDLS	Ţ	Barnett, Gille	1254	BM	S-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 15-45 km
			SAFIRE	МО	Russell	1255	AM	:: 10% (20-40 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5-3 km :: 10-45 km
Schoeberi	NO Conc	1264						15% :: 2s,1.0m	11 day [d]	4 x 5 dg :: G	2 km :: Mid-asmos
		1	MLS		Waters	1266	BM	::.1-10x10-7	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: 30-120 km
			TES	CHEM	Вся	1268	ΑM	:: 25 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
Schoeberl	NO2 Conc	1221						10% ∷	Ilday	4x5dg::G	2 km :: Mid-atmos
			HIRDLS	CHEM	Barnett, Gille	1273	BM	5-10% :: 3-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 10-55 km
			SAGE-III	AERO,CHEM	McCormick	1277	BM	10% :: 15%	1/(2 min), 30/day	<2 x <1 de :: G	1 km :: 20-50 km
			SAGE-III	AERO,CHEM	McCormick	1276	Æ	10% :: 10%	1/(2 min), 30/day	<2 x <1 dg :: Polar	1 km :: 10-50 km
			MLS	МО	Waters	1274	¥	:: 1-8x10-8	2/day [d.n]	0.1 x 2.5 de :: 82N-825	2 5 km [1 2] ·· 30-60 km
			SAFIRE		Russell	1275	ΑM	:: 5% (20-55 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km:: 15-60 km
			TES	CHEM	Beer	1278	ΑM	:: 500 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
Schoeberi	O(3P) Conc	9621						15% :: 10%	Ilwk (d)	8 x 10 dg :: G	3 km :: Strat
	Application of the Control of the Co		SAFIRE	МО	Russell	1298	BM	:: 15%(110-180 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 90-180 km
Schoeberi	03 Conc	1312						10% :: 10%	Ilday	4 x 5 dg .: G	2.5 km :: Trop
			HIRDLS	7	Barnett, Gille	1318	BM	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-80 km
			SAGE-III	M	McCormick	1321	¥	6%::5%	1/(2 min), 30/day	∠2 x <1 dg :: Polar	1 km :: 6-85 km
			SAFIRE		Russell	1320	¥	:: 5% (10-70 km)	1/(18-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	1.5-3 km :: 10-100 km
		1	TES		Bear	1324	¥	:: 3 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
			TES	CHEM	Bear	1325	¥	:: 13 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
Schoeberl	03 Conc	1313						10%::5%	Ilday	2 x 3 dg :: G	1.5 km :: Mid-atmos
			HIRDLS		Barnett, Gille	1318	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km
		1	MLS		Waters	1319	BM	<= 3% :: 1%(<50km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 110 km
		1	SAFIRE		Russell	1320	Ψ	:: 5% (10-70 km)	1/(18-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	1.5-3 lzm :: 10-100 lzm
		1	SAGE-III	æ	McCormick	1321	¥	6%:: 5%	1/(2 min), 30/day	<2 x <1 dg :: Polar	1 km :: 6-85 km
		1	TES		Веа	1323	¥	:: 20 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
			SAFIRE	МО	Russell	1327	ΑM	:: 15% (20-30 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-35 km
									•		

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

		1001-140-4-0-1-4	ľ	i c	, J		4				11 1 4 - 1	W4t1
110 110	Investigator	Product Name	Prod #	Instr.	Platforms	Investigator	Prod #	Match	Accuracy Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
March Marc	Schoebal	ОЗ Сомс	1313	MLS			1328	¥	:: 10%	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 70 km
Mail				SAFIRE	MO	Russell	1329	Æ	:: 10% (20-40 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-50 km
11 11 11 11 11 11 11 1				MLS	МО	Waters	1326	AM	:: 50%	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: 20-60 km
SAPIRE NO Ween 1344 MM 13,400 MM	Schoeberl	03(18°000) Conc	1342						10% :: 10%	IIwk	8 x 10 dg :: G	5 km :: Strat
SAFEE NO Razaelia 134 AM 1154 (20.01m) 1054-721 [1 27.5234g; 186.5846] Am Color Color 135 Color Color Color Color Color Color Color Color Color Color Colo				MLS	МО	Waters	1343	BM	:: 20%	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 20-60 km
COO Cone 1555 ASPRTIE MO Name 1545 MA 1546,000 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 107 1046,70 1046,70 107 1046,70 107 1046,70 1046,				SAFIRE	МО	Russell	1344	Æ	:: 15% (20-30 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-35 km
OCTO Code 1331 AND Town Code 1331 AND Town Code 1340 (April 10), Mode of Code 1340 (April 10), Mode				SAFIRE	МО	Russell	1345	ΨV	:: 15% (20-35 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-40 km
SATURE MAS M	Schoeberl	OCIO Conc	1381						20% :: 0.01	Itwk [n]	8 x 10 dg :: G	3 km :: Strat
Particle 1956 Mail				SAGE-III	AERO,CHEM	McCormick	1353	BM	20% :: 20%	1/(2 min), 30/day	-2x< dg: G	2 km :: 15-25 km
Main Main				MLS	MO	Waters	1352	ΑM	:: 3x10-11	1/mo. [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 25 km
Reduction Intensity), IR SAFTRR MO Record 1247 1340 BM 1744 (24.76.10.54% 11450 (1.5.4% 11450 (1.5.4% 11450 (1.5.4% 11450 (1.5.4% 11450 (1.5.4% 11450 (1.5.4% 11450 (1.5.4% 1160 (1.5.4%) 1	Schoeberl	OH Conc	1356						10% :: .02s,.05т	11day [d]	D:: 8 g R x 9	2 km :: Mid-atmos
Radiation Internally, IR 2174 ALBS PM Chaine 2147 AM Cha				SAFIRE	МО	Russell	1360	ВМ	:: 7% (30-75 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-90 km
Auton Auto	Schoeberl	Radiation Intensity, IR	2374						1%(-1K):: 0.5%	IIday	100 km :: G	I.S.bm.::Strat
Reduction Interactly UNIDADE AIL MODIS AILPM Schemen 2340 AIM 18(10): 14 key 1 laby 1 laby 1 lary				AIRS	PM	Chahine	2347		3.2dg NEdT :: 0.2dg NEdT	2/day [d.n]	15 x 15 km :: G	N/A:: N/A
SOLSTINE MODIS MAPP Stienmen 2775 SM SSE; 254 1487 148				MODIS	AM,PM	Salomonson	2340	AM	1%(1x):: RMS <nedl< td=""><td>1/day</td><td>1 km :: G</td><td>N/A:: N/A</td></nedl<>	1/day	1 km :: G	N/A:: N/A
SOLSTICE MO Roman 2278 BM GS#=16% 1/hr NAN; NA NA;	Schoebert	Radiation Intensity, UV	11172						5% :: 2%	11day	9 ::	:: Strat
SOLSTICE MODE AMJ-PM Statementer 239 BM \$56(19); RMS-CHEEL 1 Iday 1 Ibm : G				SOLSTICE	МО	Rottman	22.78	BM	<5%::<1%	1/hr	N/A :: N/A	N/A:: NA
MoDis AMP Simmen 238 EM SSE(17); EMSACREL 11dsy 1 m: G				SOLSTICE	МО	Rottman	1227	AM	<5%::<1%	1/hr	N/A :: N/A	N/A :: NA
MODIS AAJ-PM Salomenoon 239 BM SSK(10): RASCHELL 14day 0.5 km: CO 100 MODIS AAJ-PM Salomenoon 239 BM SSK(10): RASCHELL 14day 0.5 km: CO 0.5 km: CO 14day 0.5 km: CO 0.5 km: CO 14day 0.5 km: CO 14da	Schoeberl	Radiation Intensity, Visible	2413						5% :: 2%	Ilday	9 ::	:: Strat
MODIS AMPM Sulemenon 2393 BM 5%(1%): BMS-SNEd. 1/day 0.05 km:: G			•	MODIS	AM,PM	Salomonson	2339	BM	5%(1x) :: RMS <nedl< td=""><td>1/day</td><td>1 km :: G</td><td>N/A :: N/A</td></nedl<>	1/day	1 km :: G	N/A :: N/A
MODIS AMPM Salomoson 295 BM 554(17); BAS-ATEd. 1/day 0.02 km: G 1.00			•	MODIS	MA,PM	Salomonson	2338	BM	5%(1x):: RMS <nedl< td=""><td>1/day</td><td>0.5 km :: G</td><td>N/A:: N/A</td></nedl<>	1/day	0.5 km :: G	N/A:: N/A
Fig. Color 1306 Miss				MODIS	AM,PM	Salomonson	2392	ВМ	5%(1x):: RMS <nedl< td=""><td>1/day</td><td>0.25 km :: G</td><td>N/A:: N/A</td></nedl<>	1/day	0.25 km :: G	N/A:: N/A
TES CTGEM Number 1310 AM SEATO 1/10 day) 1/10 AZ 1/10 day 1/10 AZ Schoeberl	SO2 Conc	1366						20% ∷	IIwk	8 x 10 dg :: G	3 km :: Strat	
Trigon T				MLS	MO	Waters	1369	BM	:: 5x10-10	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 30 km
According to Popular Profit 1582 Para Chedin, Penning 1589 BM CARS-1504 Caldy (Lah) 1580-50-30 thm: 0 1580				TES	CHEM	Bear	1370	AM	:: 600 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
Action A	Schoeberl	Temperature Profile	1582						2 K :: 1 K	IIday	2x2dg::G	2 km :: Atmos
SAGE-III ARROJCHEM Burnet, Gille 1608 BM K;2K-500m; 0.3K;1K-5004 2day [d.n.] 4 x 4 dg; G. C S. C G. C A.T Melborne 1605 AM 1.K; 1.K 1/(2min.) 30day -(2x 1.d g; G. C G. C G. C G. C G. C G. C G. C G.				AIRS	PM	Chedin, Fleming,	1588	ВМ	1.0 K :: 0.4 K	2/day [d.n]	15 x 50 - 50 x 50 km :: G	1,2 km :: Atmos
Acrosol Opicial Dayle Acrosol Opicia Acrosol Opicia Acrosol Opicia A				HIRDLS	СНЕМ	Barnett, Gille	1608		;2K>50km:: 0.3K;1K>50ki	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km
Action A				SAGE-III	AERO,CHEM	McCormick	1611	BM	2 K :: 2K	1/(2 min), 30/day	<2 x <1 dg :: G	1 km :: 6-55 km
Acrosol Optical Depth Acro				5	ALT	Melbourne	1605	₹	1K::1K	700 ret/day	1-200 km :: G	1 km :: 5 · 50 km
SAFIRE MO Russell 1610 AM :: <0.5K(16-65 km) 1/(18-72 s)[?] 25 x 1-5 dg: 86S-86N SAGE-III AEROCHEM MCOPMICH 1612 AM 2 K:: 2 K 1/(2 min), 30day -2x < 1 dg: Pobr				MLS	OM	Waters	6091	¥	:: 2K <100km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 120 km
SAGE-III AERO,CHEM McCormick 1612 AM 2K::2K 1/(2 min), 30day <2.x < l dg::Polar				SAFIRE	ОМ	Russell	1610	₹	:: <0.5K(16-65 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-110 km
TES CHEM Beer 1614 AM ::2 K 1/(16 day) 16 x 5 km ::G				SAGE-III	AERO,CHEM	McCormick	1612	ΨV	2K::2K	1/(2 min), 30/day	<2 x <1 dg :: Polar	1 km :: 6-70 km
TES CHEM Beer 1615 AM ::2 K 1/(16 day) 160 x 23 km :: G				TES	CHEM	Вса	1614	₩	:: 2 K	1/(16 day)	16 x 5 km :: G	1 km, 4-6 km :: 0-12 km
TES CHEM Bec 1616 AM :: 2 K 1/(16 day)				TES	CHEM	Bear	1615	¥	:: 2 K	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
Aerosol Optical Depth 2288 AM.PM Kaufman, Terre 2293 BM 0.1::0.05 1/day, 1/mo MODIS AM.PM Tarre, Kaufman, Terre 2293 BM 0.05::0.02 1/day, 1/mo EOSP ARROAM2 Travis 2294 BM 0.05::0.02 1/day [d] MISR AM Diner 2299 AM 0.05/10% 1/(5:16 day) [d] GLRS-A ALT Spinhine et al 2299 AM 0.05/10% 1/(5:16 day) [d] GLRS-A ALT Spinhine et al 2299 AM 0.05/10% 1/(5:16 day) [d] GLRS-A ALT Spinhine et al 2299 AM 0.05::0.01 1/(5:16 day) [d] HIRIS AM2 Ge-sal 2291 AM 0.05::0.01 1/(2:16 day) [d] Aerosol XXX MODIS AM-PM Kaufman, Tarre 2293 BM 0.1::0.05 1/(day, 1/mo MODIS AM-PM Tarre, Kaufman 2294 BM 0.05::0.02 1/day, 1/mo				TES	CHEM	Вест	1616	VΜ	:: 2 K	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
MODIS	Sellors	Aerosol Optical Depth	2288						::			
MODIS AM.PM Tarre, Kaufman 2294 BM 0.05 :: 0.02 1/day, 1/mo	-			MODIS	AM,PM	Kaufman, Tame	2293	BM	0.1 :: 0.05	1/day, 1/mo	0.5 dg :: Land	N/A :: Atmos
EOSP AERO,AM2 Travis 2297 BM 0.2.:: 10% 1/day [d] MISR AM Diner 2298 AM 0.05/10% 1/(5.16 day) [d] MISR AM Diner 2299 AM 0.05/10% 1/(5.16 day) [d] GLRS-A ALT Spinhime et al 2291 AM 20%:: 0.05/10% 1/(2.16 day) [d] HIRIS AM2 Gerst 2292 AM 0.05:: 0.01 1/(2.16 day) HIRIS AMPM Kaufman, Tarre 2292 AM 0.05:: 0.01 1/(2.16 day) MODIS AMPM Tarre, Kaufman 2294 BM 0.05:: 0.02 1/day, 1/mo				MODIS	AM,PM	Tarre, Kaufman	2294	BM	0.05 :: 0.02	1/day, 1/mo	0.5 dg :: Ocean	N/A :: Atmos
MISR AM Diner 2298 AM 0.05/1.0% 1/(5.16 day) [d] MISR AM Diner 2299 AM 0.05/1.0% 1/(5.16 day) [d] GLRS-A ALT Spinhime et al 2291 AM 20%:: 0.05/1.0% 1/(2.16 day) [d] HIRIS AM2 Gerst 2292 AM 0.05:: 0.01 1/(2.16 day) HIRIS AMPM Kaufman, Tarre 2293 BM 0.1:: 0.05 1/(day) 1/(2.16 day) MODIS AMPM Tarre, Kaufman 2294 BM 0.05:: 0.02 1/(day, 1/mo				EOSP	AERO,AM2	Travis	2297	BM	0.2:: 10%	1/day [d]	40 km :: G	Column :: Atmos
MISR AM Diner 2299 AM 0.05/10% : 0.05/10% 1/(2-16 day) [d] GLRS-A ALT Spinhime et al 2291 AM 20%:: 1/(2-16 day) [d] HIRIS AM2 Gerstl 2292 AM 0.05::0.01 1/(2-16 day) HODIS AM-PM Kaufman, Tarre 2293 BM 0.1::0.05 1/(day, 1/mo 1/(day				MISR	AM	Dinar	2298•	₩	0.05/10% :: 0.05/10%	1/(5-16 day) [d]	1.92 km :: R	Column :: Atmos
CLRS-A ALT Spinhime et al 2291 AM 20%:: 1/(2-16 day)				MISR	W	Diner	2299	₹	0.05/10% :: 0.05/10%	1/(S-16 day) [d]	15.4 km :: G	Column :: Atmos
Aerosol XXX 1004 MODIS AMPM Kaufman, Tarre 2292 AM 0.05 :: 0.01 1/(2-16 day) Aerosol XXX MODIS AM,PM Kaufman, Tarre 2293 BM 0.1 :: 0.05 1/day, 1/mo MODIS AM,PM Tarre, Kaufman 2294 BM 0.05 :: 0.02 1/day, 1/mo				GLRS-A	ALT	Spinhime et al	1677	¥	20%::	1/(2-16 day)	2-200 km :: G	N/A :: Atmos
Aerosol XXX 1004 MODIS AM_PM Kaufman, Tarre 2293 BM 0.1 :: 0.05 1/day, 1/mo MODIS AM_PM Tarre, Kaufman 2294 BM 0.05 :: 0.02 1/day, 1/mo				HIRIS	AM2	Gerstl	2522	¥	0.05 :: 0.01	1/(2-16 day)	100 m :: L	Column :: Atmos
AM.PM Kaufman, Tarre 2293 BM 01::0.05 1/day, 1/mo AM.PM Tarre, Kaufman 2294 BM 0.05::0.02 1/day, 1/mo	Sellers	Aerosol XXX	1004									
AM, PM Tarre, Kaufman 2294 BM 0.05 :: 0.02 1/day, 1/mo				MODIS	M/MV	Kaufman, Tanre	2293	MA .	0.1 :: 0.05	1/day, 1/mo	0.5 dg :: Land	N/A :: Atmos
				MODIS	AM,PM	Tarre, Kaufman	2294	BM	0.05 :: 0.02	1/day, 1/mo	0.5 dg :: Ocean	N/A :: Atmos

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	100 L 100 L										
Investigator	Deduct Name	1	3	EOS Instrument	7	roduct	Ī	Accuracy	Temporal	Horizontal	Vertical
Total Marca		# 00.	Instr.	Platforms	. Т	Prod # Match	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
	AE OSO AAA	33/	GLKS-A	ALT		1014	¥	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Atmos
			SAGE-III	AERO,CHEM	McCormick	1012	ΨV	5% :: 5%	1/(2 min), 30/day	<2x<1 dg :: G	1 km :: 0-40 km
	AIDEGO, CIONA	7007									
		<u>l</u>	HIRIS		Welch	2008	BM	5%:: 5%		90 m :: R	:: Cloud
			MISR	ΑM	Diner	2038•	ΨV	3%:: 1%	[variable] [d]	240 m :: R	N/A :: Tron
Sellers	Albedo, Land_sfc	666/						1% :: 10%	11(5 day)	100 km :: Land	
			AIRS	PM	Gautier ??	2000	BM		1/day	- Land O.	M/A C.C.
Sellers	CO2 Cone	1111							7		IV/A :: SIC
			TES	CHEM	Beer	3637	BM		1/16 day)	14 . 5	
Sellers	Cloud Cover	2059					00000000		7,7	7 :: 112 C V O1	
		1	CERES	TRM AM PM	Resternor	2087	DIA.	WC D3	*iaay	100 km ::	0.5 km :: Trop
			AIDE	DIA CHARLES		1907	D.	3.4: 2.6	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Atmos
			MODIE		Channe, Chedin,	7907	PW :	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
Callana			MODIS	AM.PM	King	1802	¥	10% :: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud
	Cloud Lig_water I olal Column	1851		1000							
		_1	CERES	M	Barkstrom	1899	BM	50%:: 10%	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	Column :: Atmos
			AIRS	PM	Rosenkranz	1908	₩	0.1 :: 0.1	2/day [d,n]	50 km : G	N/A :: Cloud
Sellers	Cloud Temperature	2457									
			MODIS	AM,PM	Menzel	2466	BM	2C::1C	1/dav. 1/mo	. ep -	A.A.: AVA
		1	MODIS	AM,PM	Menzel	2467	BM	2C::1C	2/dav	5 km :: G	N/A : Cloud
			AIRS	PM	Chahine, Chedin,	2463	Æ	1 K :: 0.5 K	2/day [d.n]	15 x 15 - 50 x 50 km :: G	N/A : Cloud
			ASTER	AMI	Welch	2465	¥	2K::2K	1/(16 day)	1::E6	N/A : Cloud
Sellers	Humidity Profile	1823						104	,,,,	7	14/A C.10 au
		1	ARS	M	Chedin, Flemine	1828	RM	10% - 5%	2/422 [42]	100 km ::	0.5 km :: Trop
Sellors	Land sfc Reflectance, Bi-directional Spectra 2041	2002					- Control	26::3:23	לתפא (תיזו)	D :: MIN DC X DC X CI	7 кт :: Ашоз
		1	MISP	MA	1	7630	710	20. 20		250-500 m :: Land	
		1	HIRIG			+	DIA	9.7 :: 0.C	1/(2-16 day) d	240 m :: R	N/A :: Sfc
			STOCK		2 2	1	DM	3.4 :: 3.4	1/(16 day)	30 m :: Land/L	N/A :: Sfc
		L-	MODIS	Ť	I arre, Muller	2424	AM.	15%:: 5 - 8%	1/day, 1/wk	1 km :: G,R	N/A :: Sfc
		1	SIGOW	1	Muller, Strahler,	3669	₩	5%:: 3%	1/day	1 km :: Land/R	N/A :: Sfc
			MODIS		Kaufman et al	2430	₩	0.01 :: 0.005	1/day	0.5 km :: G	N/A :: Sfc
			Modis	_	Kaufman et al	2431	¥	0.01 :: 0.005	1/day	0.25 km :: G	N/A :: Sfc
		_1	ASTER		Slater	-	₹	4%:: 0.5-1.3	3//1	15,30 m :: Land/R,L	N/A :: Sfc
			HIRIS	AM2	Slater	2432	₹	3%:: 1%	1/mo	30 m :: Land/R,L	N/A :: Sfc
Sellers	Land syc Kejleclance, Bi-directional, (BRDF 2034			~ 1		4					
		_1		TRM,AM,PM	Barkstrom	_	BM	5%:: 1%		10 dg [Angle] :: G	N/A :: Sfc. Atmos
			MISR	T	Diner	2631	BM	5%:: 2%	1/(5-16 day) [d]	1.92 km :: G	N/A :: Sfc
		1_	MODIS		Tarre, Muller	4	₩	15% :: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A :: Sfc
		L	MODIS		Kaufman et al	2429	₹	0.01 :: 0.005	1/day	1 km :: G	N/A :: Sfc
		1	MODIS	İ	Muller, Strabler	_	¥	5%:: 3%	1/day	1 kg :: R	N/A :: Sfc
			MODIS	AM.PM	Muller, Strahler, 1	3669	ΑM	5%:: 3%	1/day	1 km :: Land/R	N/A :: Sfc
Sellers	Land sfc Temperature	3478 2478						::		500 m ::	
			ASTER		Kahle, Becker, Cr		BM	1-6 K :: 0.3 K	1/(2-16 day)	Mari :: E06	N/A :: Sfc
			MODIS	AM,PM	Wan	2484	BM	1C::1C	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc
Sellors	Level-1B Radiance, MODIS	2389									
			MODIS		Salomonson			5%(1π):: RMS <nedl< td=""><td>1/day</td><td>0.5 km :: G</td><td>N/A :: N/A</td></nedl<>	1/day	0.5 km :: G	N/A :: N/A
		L	MODIS		Salomonson	4	-	5%(In):: RMS <nedl< td=""><td>1/day</td><td>1 km :: G</td><td>N/A :: N/A</td></nedl<>	1/day	1 km :: G	N/A :: N/A
			MODIS		Salomonson	+	+	1%(1n):: RMS <nedl< td=""><td>1/day</td><td>1 km :: G</td><td>N/A :: N/A</td></nedl<>	1/day	1 km :: G	N/A :: N/A
			MODIS	AM,PM	Salomonson	2392	BM Se	5%(1π):: RMS <nedl< td=""><td>1/day</td><td>0.25 km :: G</td><td>N/A :: N/A</td></nedl<>	1/day	0.25 km :: G	N/A :: N/A
								ļ			

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Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Prod Instr. Platforms Investigator Prod Maich Abs.: Rei Resolution	IDS Input Data Product		EO	S Instrument	Output Data F	Toduct		Accuracy	Temporal	Horizontal	Vertical	
Part Height 1513 1514 114 114 114 115	Investigator	Product Name	Prod #		Platforms	Investigator	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Column C	Sellers	PBL Height	1513									
Pricipiation Amount 1939 PA Sauched 1990 BM Samulday Emmiliary 2464 [64] 1464 14			•	GLRS-A		Spinhime et al	1514	BM	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Trop
AIRS PM Seaskind 1994 AN Semining 1995 AN Semining 1995 AN Semining 1994 AN Semining	Sellos	Precipitation Amount	1939							41407	100 km ::	
Mail Part State Alt Alt State Alt Alt State Alt		•	•	AIRS		Susskind	1969	BM	2mm/day :: 1mm/day	2/day [d,n]	50 km :: G	N/A :: Trop
MAIR PA TBD SAO AN				AIRS		Staclin	3694	AM	2mm/hr :: Imm/hr	2/day [d,n]	50 km :: G	N/A :: Trop
Principlation Amount, Sov. 1994 AM Shealin 1904 AM S				MIMR		ТВО	3600	ΑM			22 km :: Global	N/A :: Sfc
MARINE PM 38a-lin Abt. Sellers	Precipitation Amount, Snow	1984										
CIRRER TRAMAM Baltacom 1799 AAH 9994, Cord; 1997, Cord 1/(6 kg)				AIRS		Staclin	3018	AM-		2/day (d,n)	50 km :: Land	N/A :: Sfc
CERES TRAVAMAM Barkenn 710 AM 994 Cort 994 Cort 1/6 kp				MIMR		TBD	3607	AM-			22 km :: Land	N/A :: Sfc
Redigitive Flate, U.W. Openson 2164 TOWAND Backerson 2100 BM TOWAND: 2 Valves 166 kg) TOWAND Redigitive Flate, U.W. Openson 2193 TOWAND Redigitive Flate, U.W. Openson 2194 TOWAND: 2 Valves 200 kg,				CERES		Barkstrom	1769	AM.	90% Conf :: 90% Conf	1/(6 hr.)	1.25 x 1.25 dg :: G	N/A :: Atmos
County C	Sollers	Radiative Flux I.W. Down	2164						20% :: 20%	41409	100 km :: Land	0.5 tm ::
Padiativ Plat, UP 191 CERES TRMAMPM Indextorm 2104 BM 1987; 354 146 h) 146 h) CERES TRMAMPM Indextorm 2146 BM 1987; 354 146 h) 146 h) 158 158 158 h)				CERES	\mathbf{T}	Barkstrom	2170	æ	7 W/m^2 :: 2 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Sfc
CERES TRAJAM-PM Backeron 200 BM 19/47-21 Mpm 1/6 h) CERES TRAJAM-PM Backeron 2146 BM 50%=10% 1/6 h) 1/6 h 1/6	Sellore	Radiative Flux 1W IIn	2/93						20% :: 20%	41 day	100 km :: Land	0.5 km ::
CERES TRAI,AM.PM Backeron 214 BM 506::5% 1/6 kp	•		:	CERES	-	Barkstrom	2202	æ	7 W/m^2 :: <7 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Sfc
CERES TRM.AM.PM Bacteron 2116 BM 2596; 10% 110c				CERES		Barkstrom	2146	BM	10% 5%	1/(6 hr)	1.25 x 1.25 dg :: G	lyr :: Atmos
Show Core 2017 CERES TRMAAND Matteron 2223				CERES	1	Barkstrom	2148	BM	50%:: 10%	1/(6 hz)	1.25 x 1.25 dg :: G	lyr :: Atmos
State CERES TRALAMPM Barkeronn 222 BM 15 War79; 2 War7 1164 br)	Sollers	Radiative Flux SW Dawn	2217		100.00				20% :: 20%	I/hr	100 km :: Land	
Show Coverage 3015 Section 2021 BM 15 VMm/21: 2 VMm/21	s and a	National Section 1 Section 1	i	CERES	7	Rarkstrom	2221	BM	15 W/m/2 :: 2 W/m/2	3/day [d]	1.25 dg :: G	N/A :: Sfc
Stool Cover 1915 MODIS AM_PM Salemonoon 1920 BM C=546;:C=546 1449,1 Julet				CERES	$\overline{}$	Barkstrom	2223	E E	15 W/m^2 :: 2 W/m^2	1/(6 hr)	1.25 x 1.25 dg :: G	N/A:: Sfc
MODIS AM_PM Station 3020 BM C-556;; C-576 1/day, 1/brt			2005		100					11(1-4 day)	100 km ::	:: S/c
Name	Sellers	Show Cove	Croc	MODIS		Salomonson	3020	BM	<=5%:: <=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc
No. No.				SIGON	Τ	Seclia	3018	Z.		2/day [d.n]	50 km :: Land	N/A :: Sfc
MODIS AM_PM Silonnostan 3021 AM C-5%:: <=5% 148y, 1/brk				ALLA		TBD	3607	M.			22 km :: Land	N/A :: Sfc
Soil Moisture				MODIS	Τ	Selomonson	3021	¥	<=5%:: <=5%	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc
Temperature Profile 1883 MIDMR PM TBD 3605 BM 1 K :: 41dey		Table Delivery	2067							11(1-4 day)	100 km ::	:: S/c
Temperature Profile 1583 ARS PM Chedin, Ferming 1588 BM 1.0 K :: 0.4 K 2.(dary [d.n.] 1.0 K 2.(dary [d.n.] 1.0 K 2.(dary [d.n.] 1.0 K 2.(dary [d.n.] 1.0 K 2.(dary [d.n.] 1.0 K 2.(dary [d.n.] 1.0 K 2.(dary [d.n.] 1.0 K 2.(dary [d.n.] 1.0 K 2.(dary [d.n.] 1.0 K 2.(dary [d.n.] 1.0 K 2.(dary [d.n.] 2.(dary	Sellers	Soil Mobile 2		MIME		TBD	3605	BM BM			60 km :: Land	N/A :: Sfc
Vegetation Biomass 2628	Callera	Townselves Destile	15.83						1.6.::	41 day	100 km ::	0.5 km :: Trop
Vegetation Biomass 2028 HIRIS AAA2 Usin, Westman 2620 BIM 30%::15% 1/(2-16 day) Vegetation Cover 2740 HIRIS AAA2 Usin, Westman 264 BM 30%::15% 1/(2-16 day) Albedo, Snow 2019 MISIR AAA2 Usin, Westman 2741 AAM 10%::15% 1/(2-16 day) Albedo, Snow 2019 MISIR AAA2 Usin, Westman 2741 AAM 20%::15% 1/(2-16 day) Albedo, Snow 2019 MISIR AAA2 Usin, Westman 2741 AAM 20%::15% 1/(2-16 day) Albedo, Snow 2019 MISIR AAA Dinear 2020 BM 20%::15% 1/(2-16 day) Albedo, Snow Albed Albedo, Snow AAB Tarre, Maller 2019 AAM 1/(2-16 day) 1/(2-16 da	5000		}	AIRS	M	Chedin, Fleming.	_	BM	1.0 K :: 0.4 K	2/day [d.n]	15 x 50 · 50 x 50 km :: G	1,2 km :: Atmos
HIRIS AM2 Usin, Wesaman 2620 BM 30%::15% 1/(2-16 day)	Sellers	Vecetation Biomass	2628									
Vegetation Cover 2740 AM.PM Strabler, Huese et 2670 BM 10%::15% 1/(2-16 day) Albedo, Snow 2019 MODIS AM.PM Strabler, Huese et 2670 BM 10%::3% 1/(2-16 day) Albedo, Snow 2019 MISTR AM. Diner 2020 BM 20%::10% 1/(2-16 day) [d] Albedo, Snow 2019 MISTR AM. Diner 2020 BM 20%::10% 1/(2-16 day) [d] Albedo, Snow 2019 MISTR AM. Diner 2020 BM 20%::10% 1/(2-16 day) [d] Albedo, Snow 2019 AM. Diner 2020 BM 20%::10% 1/(2-16 day) [d] Albedo, Snow AM.PM Terrer, Muller 2016 AM 1/(3-16 day) [d] 1/(3-16 day) [d] Albedo, Snow MODIS AM.PM Terrer, Muller 2016 AM 1/(3-16 day) [d] 1/(3-16 day) [d] Albedo, Snow MODIS AM.PM Terrer, Muller 2016 AM 5%::1% 1/(3-16 day)			}	HIRIS	AM2	Ustin, Wessman	2620	æ	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Vegetation Cover 2740 MODIS AM,PM Strahler, Huse et al. 2670 BM 109% :: 5% 1/(1-14 day) Albedo, Snow 2019 MISR AM,PM Strahler, Huse et al. 2670 BM 20% :: 10% 1/(2-16 day) 1/(2-16 day) Albedo, Snow 2019 MISR AM Distin, Westman 2741 AM 20% :: 10% 1/(2-16 day) 1/(2-16 day) Alpedo, Snow Alps AMISR AM Distin, Westman 2020 BM 20% :: 10% 1/(2-16 day)				HIRIS	AM2	Ustin, Wessman	2614	M	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
MODIS AM_PM Strahler, Husel of 2670 BM 1096.:596 1/R0-16 day) 1/R0-	Sollors	Vesetation Cover	2740							11(1-4 day)	100 km ::	:: S/c
HIRLS AM2 Ustin, Westernan 274 AM4 2056.:: 1056 1/(2-16 day) Albedo, Snow 2019				MODIS	AM.PM	Strahler, Hucte et		BM	10%:: 5%	1/mo, 1/scas	5 km :: Land	N/A :: Sfc
Albedo, Snow 2019 MISR AM Diner 2022 BM 2%:: I/(5-16 day)[d] AlrS PM Gautier 77 2000* BM 15%::5·8% 1/day 1/day MODIS AM,PM Tarre, Muller 2015* AM 15%::5·8% 1/day, 1/wk 1/day MODIS AM,PM Tarre, Muller 2016* AM 15%::5·8% 1/day 1/day MODIS AM,PM Tarre, Muller 2440 AM 15%::1% 1/day 1/day MODIS AM,PM Muller, Strahler, 366* AM 5%::1% 1/day 1/day MODIS AM,PM Muller, Strahler, 366* AM 5%::1% 1/day 1/day AIRS PM CERES TRM,AM,PM King 2081 AM 5%::2% 2/day [d.h], 1/mo CERES TRM,AM,PM Bartstrom 2087 AM 5%::2% 6/day [d.h] CERES TRM,AM,PM Bartstrom 2087 AM 5%::2%				HIRIS	AM2	Ustin, Wessman	<u>. </u>	₩¥	20% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
MISR AM Diner 2022 BM C=0.03::0.01 1/(3-16 day)[d] AIRS PM Gautier 77 2000° BM 15%::5-8% 1/day, 1/wk MODIS AM_PM Tarre, Muller 2015° AM 15%::5-8% 1/day, 1/wk HIRIS AM_PM Tarre, Muller 2016° AM 15%::5-8% 1/day, 1/wk HIRIS AM_PM Muller, Strahler, 3665° AM 5%::1% 1/day MODIS AM_PM Muller, Strahler, 3665° AM 5%::3% 1/day MODIS AM_PM Muller, Strahler, 3665° AM 5%::3% 1/day AMODIS AM_PM King 2081 BM 10%::3% 2/day [d.h] CERES TRM,AM,PM Bartstrom 2086 AM 5%::2% 6/day [d.h] CERES TRM,AM,PM Bartstrom 2087 AM 5%::2% 6/day [d.h]	Simond	Albedo Sam	5019						2% ::		:: Canada/R	ofs :: VIN
AIRS PM Gratier 77 2000* BM 15%::5.8% 1/day 1/day MODIS AM_PM Tarre, Muller 2015* AM 15%::5.8% 1/day, 1/wk MODIS AM_PM Tarre, Muller 2016* AM 15%::5.8% 1/day, 1/wk HIRIS AM_PM Muller, Strahler, 2665* AM 5%::1% 1/day MODIS AM_PM Muller, Strahler, 3665* AM 5%::3% 1/day MODIS AM_PM Muller, Strahler, 3665* AM 5%::3% 1/day AM_PM King 2081 BM 10%::2% 2/day [d.n.] CERES TRM,AM,PM Bartstrom 2086 AM 5%::2% 6/day [d.n.] CERES TRM,AM,PM Bartstrom 2086 AM 5%::2% 6/day [d.n.]				MISR	ΨV	Diner	2022	BM	<=0.03 :: 0.01	1/(5-16 day) [d]	1.92 km :: G	N/A :: Sfc
MODIS AM_PM Tarte, Muller 2015 AM 155c.: 5-8% 14day, 1/wk				AIRS	Æ	Gautier 77	2000	BM		1/day	50 km :: Land	N/A :: Sfc
MODIS AM_PM Tarre, Muller 2016 AM 15%.:5.8% 1/day, 1/wk				MODIS	AM,PM	Tarre, Muller	2015	₹	15%:: 5 - 8%	1/day, 1/wk	1 km :: G,R	N/A :: Sfc
HIRIS AM2 Dozier 2440 AM 5%::1% 1/wk, 1/mo				MODIS	AM,PM	Tarre, Muller	2016	AM.	15% :: 5 - 8%	1/day, 1/wk	10 km :: G,R	N/A :: Sfc
MODIS AM.PM Muller, Strahler, 7 3666 AM 5%::3% 1/day				HIRIS	AM2	Dozier	2440	Ą	2%:: 1%	1/wk, 1/mo	50 m :: Lend/L	N/A :: Sfc
MODIS AM,PM Muller, Strahler, 7 3666 AM 556; 376 1/day 1/day				MODIS	AM,PM	Muller, Strahler,	3665		5% :: 3%	1/day	1 km :: Land/R	N/A :: Sfc
Cloud Cover 2056 AM.PM King 2081 BM 10%.:: 5% 2/day [d.n], 1/mo AIRS PM Cabhine, Chedin, 2062 AM 0.05:: 0.025 2/day [d.n] 2/day [d.n] CERES TRMAAM,PM Barkstrom 2087 AM 5%:: 2% 6/day [d.n] CERES TRMAAM,PM Barkstrom 2087 AM 5%:: 2% 6/day [d.n]				Modis	AM,PM	Muller, Strahler,	3666	_	5% :: 3%	1/day	1 km :: Land/R	N/A :: Sfc
MODIS AM,PM King 2081 BM 10%::5% 2/day [d.n], 1/mo AIRS PM Chahine, Chedin, 2062 AM 0.05::0.025 2/day [d.n] CERES TRM,AM,PM Barkstrom 2086 AM 5%::2% 6/day [d.n] CERES TRM,AM,PM Barkstrom 2087 AM 5%::2% 1/6 hz)	Simond	Cloud Cover	2056						5% ::		:: Canada/R	N/A :: Cloud
PM Chabline, Chedin, 2062 AM 0.05::0.025 2/day [d.л] TRM_AM_PM Barkstrom 2086 AM 5%::2% 6/day [d.л] TRM_AM_PM Barkstrom 2087 AM 5%::2% 1/6 hz)				MODIS	AM,PM	King	2081	BW	10%:: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud
TRM_AM_PM Barkstrom 2086 AM 5%:: 2% 6/day [d.n.] TRM_AM_PM Barkstrom 2087 AM 5%:: 2% 1/6 br)				AIRS	PM	Chahine, Chedin,	\Box	¥	0.05 :: 0.025	2/day [d.n]	15 x 15 · 50 x 50 km :: G	N/A :: Cloud
TRM.AM.PM Bartstrom 2087 AM 5%:: 2% 1/(6 hr)				CERES	TRM,AM,PM	Barkstrom	2086	¥	5%:: 2%	[u,b] ysb/8	25 km :: G	N/A :: Atmos
				CERES	TRM,AM,PM	Barkstrom	2087	VΜ	5% :: 2%	1/(6 hr)	1.25 x 1.25 dg :: G	N/A :: Atmos

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

		IDC Input Data Deaduct		03	,							
Charle Depletoment 250 Charle Depletoment	Investigator	۵	Dend #		Dieter uniter	Trucking Data	TOURCE .	1	Accuracy	lemporal	Horizontal	Vertical
Color Depletament 200 COLOR TANAMANN Markers 201 AM Statisty Table (ALT) Table (III Configura	_	# BOLL	Instr.	Flatforms	T	Frod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Chaine Displacement 2544 ALT Spinish 2018 AND State 100,100 150	Simord	Cloud Cover	2026	CERES	TRM, AM, PM	Barkstrom	2088	Æ	5%:: 2%	1/day (Avg), 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Atmos
12 Just Displacement 254 HIRIS AAD Kuffer 2011 AM 10 cms; 10 pt;				GLRS-A	ALT	Spinhirne	2078	ΨV	1%::	1/(2-16 day)	10-200 km :: G	N/A ::
18. 3. Mail Displacemen 289 184 28 184 28 194 20 194 20 20 20 20 20 20 20 2	Simord	Glacier Displacement	7887						10 cm ::	I/y, I/seas	:: Canada/R	N/A :: Sfc
14 3 kar Displacement 285 Alt Ratin 281 Alt 10 cas. 11 11 11 11 11 11 11				HIRIS		Kieffer	2895	BM	1%:: 0.2%	1/34	30 m :: Glacier/L	N/A :: Sfc
162 John Ping 100				ASTER		Kieffer	1667	AM	20 m/yr :: 10 m/yr	1 34	15 m :: Land/Cryo	
101 101	Simord	Ice Sheet Displacement	2896						10 cm ::	lly, liseas	:: Canada/R	N/A :: Sfc
For Note Elevation 200				GLRS-A		Bentley	2897	-	10 mm/day :: 10 mm/day		N/A :: Land/Cryo	N/A :: Sfc
Int. Sheet Errorien 1970 GLRS.A. ALT Emergy 2911 MA Sh.fm 1 1 1 1 1 1 1 1 1				HIRLS		Kieffer	2932	-	10%6:: variable		100 m :: Cryo	N/A :: Sfc
CLASA ALT Sendy 201 AN Sen An 17m 17	Simard	Ice Sheet Elevation	5005						100 mm ::	11(3 mo)	10 km :: LandiR	N/A :: Sfc
				GLRS-A		Bentley	2912	BM	100 mm :: 100 mm	J/mo	75 m :: Land/Crvo	N/A :: Sfe
				ALT		Zwally	2911	₹	-Sm-Sm	TVI	15 km :: Land/Crvo	N/A :: Sfe
Leg Sheef Thickness 1915 CLUS A. ALT Remark 2911 DN 100 mm; 100 mm 1 DN 11 DN 11 DN 12 D	Simard	Ice Sheet Elevation	2910						100 mm ::	11(3 mo)	100 km :: Land	N/A ·· Sr
Lot Sheet Thickness 1933 CLRS.A. ALT Bening 2912 BN4 (Offernia 100 mm 110 m) 170 mis Leadelly 170 mis Leade		1		ALT		Zwally	2911	BM		1 Arr	15 km :: Land/Crvo	N/A Sfe
CLRSA ALT Benety 2912 BM 100 mm : 100 mm 1 mo 15 ms : LandCyo	Simond	Ice Sheet Thichness	3055						: ==== 007	11/2 = 01	10 b f ot	27 100 1
Land 36 Temperature 1515 ALT ALT Emiley 2511 BN 100 mm; 100 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm; 101 mm 11ms 101 mm; 101 mm; 101 mm 11ms 101 mm; 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm 11ms 101 mm; 101 mm; 101 mm; 101 mm 11ms 101 mm; 101 mm			}	CI RCA		Remtley	2012	Na	100 mm :: 100 mm	(am c) i	75 1 27	3/C :: 3/C
1 1 1 1 1 1 1 1 1 1			-	ALT		Zwally	2011	RM.		1/milo	15 km :: LandAcryo	N/A :: 65
CLESA ALT Zendy 2012 BM 100 mm; 10m 1/m Simord	Ice Shoot Thickness	20.55			ì			000	1173	of in the state of	JIC :: V/N	
Lond strawpranes 311			2	1 20 17					TOO WOU	11(3 mo)	100 km :: Land	N/A :: 3/c
Land 45¢ Traperature 311				ULKS-A		Bentley	2362	Ė K	100 mm :: 100 mm	1/тю	75 m :: Land/Cryo	N/A :: Sfc
Lond, 3c Temperature 311				7		Zwally	2911	B.M.	.: m2-m2.	1/yr	15 km :: Land/Cryo	N/A :: Sfc
Land 5/5 Temperature 311 MODIS AMLPM Win 244 BM 1C C 144y, 1bk 1 lm 1 lm Emanth Sumard	Land sfc Temperature	3312						13::1.07	2/day	I km :: RICanada	N/A :: S/c	
Lond 15				MODIS		Wan	2484	ВМ	10::10	1/day, 1/wk	1 km :: Land/R	N/A :: Sfc
Part Part	Simord	Land Ac Temperature	3313						13::1.07	2/day	10 km :: R/Canada	N/A :: S/c
Alita Para Checkin Permis, 2481 BM 10 K; 0.5 K 2469 [4] 50 km; Land 1 Caralida			MODIS		Wan	2485	BM	1-3C:1C	1/day, 1/wk	10 km :: Land	N/A :: Sfc	
Precipitation Mate Parameter Paramet				AIRS		Chedin, Fleming,	2481	BM	1.0 K :: 0.5 K	2/day [d.n]	50 km :: Land	N/A :: Sfc
Mink	Simord	Precipitation Rate	1937						20%::		:: Canada/R	NIA :: Trop
AIRS PM Suestind 1969 AM Zunnylday:: Imm/day 2day [d.u] 50 km:: G				MIMR		TBD	3600	M			22 km :: Global	N/A :: Sfc
Radiative Flux, Nat 2137 CERES TRA,AALPM PATEMENT 3664* AN- Zmahar: Ilman/hr 21day [d.n.] 50 km.::G Sea_Lec Conc 3141 CERES TRA,AALPM Barterom 2182 BM 109km2:: 2 W/mv2: 2 W/mv2 1 day [d.n.] 1.53 x 1.25 dg:: G Sea_Lec Conc 3141 MINR PM TBD 361 BM 50 cm.:: 11/7 day) 1.05 x 1.25 dg:: G Sea_Lec Conc 3141 PM TBD 361 BM 50 cm.:: 11/7 day) 1.0 km.: Conada/R Sea_Lec Conc 3148 PM TBD 361 BM 50 cm.:: 11/7 day) 1.0 km.: Conada/R Sea_Lec Edge 3157 PM TBD 3613 BM 6-5% : <-5%				AIRS		Susskind	1969	AM-	2mm/day :: 1mm/day	2/day [d.n.]	50 km :: G	N/A :: Troo
Reddenive Flux, Na 2177 CERES TRMAMPM Barkatrom 2250 BM 10% mm/2:: 2 Wm/2 1440 [Avg]. I/mo [Avg] 1:25 x 1.25 dg:: G Sea Lee Conc 3141 MIDMR PM TBD 3611 BM 50 cm;: C 11/7 day) 1:25 x 1.25 dg:: G 1.25 x 1.25 dg:: G Sea Lee Conc 3141 MIDMR PM TBD 3611 BM 001:: G1 20 km;: C 20 km;: Conclude R 20 km;: Conclude R 1.05 km;:				AIRS		Suelin	3694	ΑÄ	Zman/hr :: 1 mun/hr	2/day [d.n.]	50 km :: G	N/A :: Troo
Sea Lee Cover 3143 CERES TRM,AM,PM Bartstrom 2130 BM 10 Wim*2; 2 Wim*2; 2 Wim*2 1/day, [Avg], 1/mo [Avg] 1.25 x 1.25 dg; G Sea Lee Cover 3143 MIDAR PM TBD 3611 BM 50 cm; Cada; G 1.07 day) 1.15 x 1.25 dg; G Sea Lee Cover 3143 ARS PM Obedit, Suelin 3151 BM 0.11; G, 1 2/day [d, n] 50 km; Corandar R Sea Lee Cover 3157 MDDIS AM,PM TBD 3611 BM 0.11; G, 1 2/day [d, n] 50 km; Corandar R Sea Lee Cover 3157 MDDIS AM,PM Silomonson 3151 BM 0.11; G, 1 2/day [d, n] 50 km; CoranCryo Sea Lee Edge 3157 MDDIS AM,PM Silomonson 3151 BM c<55, c<55, c<55, d 3, day, 1/wk, 1/mb, 1/m	Simard	Radiative Flux, Net	2137						10%::		:: Canada/R	
Sea_Lee Conc 3141 RMA, AM, PM Barkstrom 2182 BM 5 Winn'2:: 2 Winn'2 1444 (Avg), Lino [Avg) 1.12 x 1.25 dg:: G Sea_Lee Conc 3141 MIDAR PM TBD 3611 BM 0.1::0.1 2(day [d,n]) 2.2 km:: Ocean/Cryo Sea_Lee Cover 3183 PM Chedin, Suelin 3151 BM 0.1::0.1 2(day [d,n]) 50 km:: Ocean/Cryo Sea_Lee Cover 3183 PM Chedin, Suelin 3151 BM 0.1::0.1 2(day [d,n]) 50 km:: Ocean/Cryo Sea_Lee Edge 3157 MiDAR PM TBD AM, PM TBD 25h::: 1/(7 day) 1/(4 day, 1/vk, 1/hno) 10 km:: Ocean/Cryo MiDAR PM TBD AM, PM TBD AM A-55k;::<<-55k				CERES	TRM,AM,PM	Barkstrom	2330	BM	10 W/m^2 :: 2 W/m^2	1 Aday [Avg], 1 Amo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
Sea_Ice Conc 3141 MIMAR PM TBD 3611 BM 10I-M 10%;:: 11/7 day) 10 thm;: Canadat/R Sea_Ice Cover 3183 AIRS PM TBD 3611 BM 0.1 :: 0.1 2/day [d.n] 22 thm;: Ocean/Cryo Sea_Ice Edge 3157 AMDDIS AMJPM TBD 3613 BM 0.1 :: 0.1 2/day [d.n] 52 thm;: Ocean/Cryo Sea_Ice Edge 3157 AMDDIS AMJPM Salomonson 3153 BM <-55%; <-55%				CERES	TRM,AM,PM	Barkstrom	2182	BM	5 W/m^2 :: 2 W/m^2	1/day [Avg], 1/mo [Avg]	1.25 x 1.25 dg :: G	N/A :: Sfc
Sea_Ice Edge 3183 AMPA TBD 3611 BM S0 cm.: 22km:: Ocean/Cryo 22km:: Ocean/Cryo Sea_Ice Edge 3157 PM Chedin, Saelin 3151* BM 0.1::0.1 2/day [d.n] 50 km:: Ocean/Cryo 30 km:: Ocean/Cryo Sea_Ice Edge 3157 AMDAR PM TBD 3611 BM <-5%:: <-5%	Simard	Sea Ice Conc	3141						10km/10% ::	11(7 day)	10 km :: Canada/R	N/A :: Sfc
Sea Lee Cover 3183 ALISS PM Opedin, Suelin 3151° BM 50 m.: Clasy [d.n] 50 km:: Corandal/R Corandal/R Sea Lee Edge 3157 MIMR PM TBD 3611 BM c=35s.:<=5%				MIMR		TBD	3611	BM			22 km :: Ocean/Cryo	N/A:: Sfc
Sea_Ice Edge 3157 PM Checkin, Shelin 3151* BM 01::0.1 2(day [d.n]) S0 km:: Occan/Cryo Sea_Ice Edge 3157 MDMS AM_PM TBD 3613 BM <=55k:	Simord	Sea_Ice Cover	3183						50 cm ::		:: Canada/R	N/A :: Sfc
Sea Ice Edge 3157 MIDMR PM TBD 3611 BM 255m::: 1/(7 day) 22 km:: Cocan/Cryo MODIS AM_PM Salomonson 3153 BM <=556::<=556				AIRS		Chedin, Staelin	31510	BM	0.1::0.1	2/day [d,n]	50 km :: Ocean/Cryo	N/A :: Sfc
Sea Ice Edge 3157 AM.PM Salamonsson 3153 BM <255m; <=576 1/(7 day) 23 km; : Canadal/K MODIS AM.PM Stalomonsson 3153 BM <=55m; <=576				MIMR		TBD	3611	BM			22 km :: Ocean/Cryo	N/A :: Sfc
MODIS AM_PM Salomonson 3153 BM <=55;; <=56 1/day, 1/wk, 1/mo 10 km;; Ocean/Cryo MIDR PM TBD 3613 BM <=55;; <=56	Simord	Sea Ice Edge	3157						25km ::	11(7 day)	25 km :: Canada/R	N/A :: Sfc
MUMR PM TBD 3613 BM <=558;:<=556 1/day, 1/wk, 1/mo 22 km;: Ocean/Cryo. MODIS AMPR Signonson 3154 AM <=558;:<=556				MODIS		Salomonson	3153	BM	<=5% :: <=5%	1/day, 1/wk, 1/mo	10 km :: Ocean/Cryo	N/A :: Sfc
MODIS AM,PM Salamonson 3154 AM <=-5%::<=5% 1/day, 1/wk, 1/mo 1 km:: Occan/Cryo.R MUMR PM TBD 3611 AM AM 22 km:: Occan/Cryo.R 22 km:: Occan/Cryo.R Sea Ice Edge 3190 ASTER AM,PM Salomonson 3153 AM 10bm/10%:: 1/day, 1/wk, 1/mo 10 km:: Canada/R Sea Ice Edge 3160 AM,PM TBD 3613 BM <=5%::<=5%				MIMR		TBD	3613	BM			22 km :: Ocean/Cryo	N/A :: Sfc
Mulk ASTER AMI PM PM TBD 3611 AM AM <td></td> <td></td> <th></th> <td>MODIS</td> <td></td> <td>Salomonson</td> <td>3154</td> <td>ΨV</td> <td><=5% :: <=5%</td> <td>1/day, 1/wk, 1/mo</td> <td>1 km :: Ocean/Cryo,R</td> <td>N/A :: Sfc</td>				MODIS		Salomonson	3154	ΨV	<=5% :: <=5%	1/day, 1/wk, 1/mo	1 km :: Ocean/Cryo,R	N/A :: Sfc
Sea Ice Edge 3190 AMPM Salomonson 3152 AM In Day 10% :: Canada/R 10 Lm :: Conada/R 90 m :: Ocean/Cryo MODIS AM_PM Salomonson 3153 BM <=5% :: <=5%				MIMR		TBD	3611	ΨV			22 km :: Ocean/Cryo	N/A :: Sfc
Sea Ice Edge 3190 AM.PM Salomonson 3153 BM <=556;:<=556 1/day, I/wk, I/mo 10 km :: Cornada/R 10 km :: Cornada/R MODIS AM.PM Salomonson 3163 BM <=556;:<=556				ASTER		Welch	3152	ΨV			90 m :: Ocean/Cryo	N/A :: Sfc
MODIS AM_PM Salomorson 3153 BM <=5% ::<=5% 1/day, l/wk, l/mo 10 km :: OceanCryo Sea_Ice Extent 3162 AM_PM Salomorson 3153 BM <=5% ::<=5%	Simord	Sea Ice Edge	3190		₩				10bm/10% ::	11(7 day)	10 km :: Canada/R	NIA :: Sfc
Sea_Ice Extent 3162 MDDIS AM.PM Salomonson 3153 BM c<=5%;:<=5% 1/(7 day) 25 km;: OceanCryo				MODIS	T	Salomonson	3153	EM.	<=5%::<=5%	1/day, 1/wk, 1/mo	10 km :: Ocean/Cryo	N/A :: Sfc
Sea_Ice Extent 3162 AM.PM Salomonson 3153 BM 25km :: 11/7 day, 1/wk, 1/mo 25 km :: Canada/R 25 km :: 11/4 ay, 1/wk, 1/mo 10 km :: OceanCryo				MIMR		TBD	3613	BM			22 km :: Ocean/Cryo	N/A :: Sfc
AM.PM Salomonson 3153 BM <=5%::<=5% 1/day, 1/mo 10 km:: Ocean/Cryo	Simord	Sea Ice Extent	3162						25km ::	11(7 day)	25 km :: CanadalR	NIA :: Sfc
				MODIS		Salomonson	3153	BM	<=5% :: <=5%	1/day, 1/wk, 1/mo	10 km :: Ocean/Cryo	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Proof Inst. Printforms Investigator Proof Inst.		IDS Input Data Product		ĘŎ	FOS Instrument	t Output Data Product	roduct		Accuracy	Temporal	Horizontal	Vertical
Static Energy 1100 MANIN PATIN MANIN Static Energy 110 Total MANIN Control	Investigator	4	Prod #	Instr.	Platforms	Investigator	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Star Charles Report 178 ASTR AND 189 180 170	Simord	Sea Ice Extens	3162	MIMR		TBD	3613	ВМ			22 km :: Ocean/Cryo	N/A :: Sfc
No. 10 No. 11 N	Simard	Sea Ice Motion, Regional	3/26						200 स ∷	11(7 day)	500 m :: Canada/R	N/A :: S/c
State Core NATER ANTER		,		ASTER		Welch	3152	ΑM			90 m :: Ocean/Cryo	N/A :: Sfc
Solve Cover NATION ANTION AN			1	ASTER		TBD	3630	ΑM	TBD :: TBD	TBD	TBD:: Ocean/TBD	TBD :: TBD
Sove Greet 1900 ACTION	Simord	Sea Ice Temperature	3120						0.3 K ::		:: Canada/R	NIA :: Sfc
Son-Greet MONTS AMAPM Son-cond 100 mm 100			•	ASTER		Welch	3619	BM			90 m :: Ocean/Cryo	N/A :: Sfc
NOTICE ANNUAL A	Simord	Snow Cover	3026						10km ::	11(7 day)	10 km :: Canada/R	N/A :: Sfc
NATION N				MODIS		Salomonson	3020	BM	<=5% :: <=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc
Soli Mojerate Roy HBIS ANZ Desire SOS SM SM SM SM SM SM S			1	MIMR		TBD	3607	Ψ¥			22 km :: Land	N/A :: Sfc
HIRES AAM2 Desire 2019 BM 584;244 I.NAL, I.Hon SO m::Cluberint I.Mathiers AAM2 Desire 2019 BM 584;245 I.NAL, I.Hon SO m::Cluberint II.Mathiers AAM2 Desire 2014 AM2 Desire 2014 AM2 Desire 2014 AM2	Simord	Snow State	3043								:: Canada/R	NIA :: Sfc
HISS ANY Desire 1909 BM 556:20% 1 km, 1 km 50 m; 1 km, 1 km			!	HIRIS		Dozier	3019	BM	5%:: 2%	1/wk, 1/mo	50 m :: Cryo/L	N/A :: Sfc
Soil Notine 2599 MIRES AND Desire 5008 AM 2006;; 2006, 1 InAt, InD 50 Inat, 2006.				HIRIS		Dozier	3029	BM	5%:: 2%	1/wk, 1/mo	50 m :: Glacier/L	N/A :: Sfc
Fig. 10 Fig.				HIRIS		Dozier	3038	¥	200% :: 200%	1/wk, 1/mo	50 [km?] :: Snow/L	N/A :: Sfc
Soil Mointer				HIRIS		Dozier	2943	₹	100% :: 100%	1/wk, 1/mo	50 m :: Snow/L	N/A:: Sfc
Note Note	Simond	Soil Moidure	2949						10%::		:: CanadalR	NIA :: Sfc
Soil Proportion Bart 1238 MIDOS AAJAM Standage 100 1			·	MIMR	MA	180	3605	BM			60 km :: Land	N/A :: Sfc
Soil Proportion, Bare Soil Proportion, Bare Soil Proportion, Bare Soil Proportion, Bare Soil Proportion, Bare Soil Proportion, Bare Soil Proportion, Bare Soil Proportion, Bare Soil Proportion, Bare Soil Proportion, Bare Soil Proportion Soil				MIMR		TBD	3606	BM		lπο	1 dg :: Land	N/A :: Sfc
No. No.	Cimond	Coil Proportion Rose	2788						10%::		:: Canada/R	NIA :: Sfc
Notice N		and the second of the second	3	MODIS	AM PM	Strahler, Huete a	2670	BM	10%:: 5%	1/mo, 1/scas	5 km :: Land	N/A :: Sfc
Soil Temperature 311 ANTER ANTI Kathe, Becter 245 BN 1-6K n. 0.16 1/(2-16 sh.) 90 mit. Land 90 mit. Land 90 mit. Land 1/(2-16 sh.) 90 mit. Land 90 mit. Canad 90 mit. Land 90 mit. Canad 9				MODIS	AM PM	Justice. Hucte et a	2749	¥	0.01 :: 0.01	1/day, 1/wk, 1/mo	10 km :: Land	N/A :: Sfc
Vigitation Engloth States 735 AATER AAMI Kache Becter, O 2451 BM 1-6 K = 0.5 K 1/(2-16 day) 90m: Land R Vigitation Engloth States 7370 AATER AAMI Seminge 1791 BM 1 mm/day = 0.5 mm/day 90m: Land R 90m: Land R Vigitation Engloth 1700 AAMI Seminge 1791 BM 10% = 3.94 1 mm/day = 0.5 mm/day 90m: Land R Vigitation Engloth 200 AAMINA Smilling-Hune et 200 BM 10% = 1.04 10% = 1.04 90m: Land R Inchriting Engloth AAMINA Smilling-Hune et 200 BM 10% = 1.04 10% = 1.04 10m: Land R Inchriting Engloth AAMINA Chair, Meseman 241 AM 10% = 1.04 10% = 1.04 10m: Land R Inchriting Engloth AAMINA Chair, Meseman 241 AM 50% = 1.04 10% = 1.04 10m: Land R Inchriting Engloth AAMINA AAMINA Chair 250 AM 50% = 1.04 10m: Land R 10m: Land R 10m: Land R 10m: Land R	Cimena	Coll Temperatures	1122						0.5::1.0	2/day	100 m :: R/Canada	NIA :: Sfc
Vigtudion Exapt	2000		;	ASTER	AMI	Kahle, Becker, O	1	BM	1-6K:: 0.3 K	1/(2-16 day)	90 m :: Land	N/A :: Sfc
Viginition Extend Vigi	Cimita	Vessinia Furnotions	1780								:: Canada/R	N/A :: Sfc
Vegetation Existed 2720 AAPPM Samilar, Huene et 2670 BM 10% :: 5 1 Imno, Ilocas S Imni, Land MODIS AAAPM Jannibar, Huene et 2570 BM 10% :: 5 1 Imno, Ilocas 3 Imni, Land 1 Imno, Ilocas 3 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Land 1 Imni, Coenni, Lin 1 Imni, Land 1 Imni, Land 1 Imni, Coenni, Lin 1 Imni, Coenni, Lin 1 Imni, Land 1 Imni, Coenni, Lin 1 Imni, Coenni, Lin 1 Imni, Land 1 Imni, Coenni, Lin 1 Imni, Land 1 Imni, Coenni, Lin 1 Imni, Coenni, Lin 1 Imni, Land 1 Imni, Coenni, Lin 1 Imni, Land 1 Imni, Land<	n men c	Section Company and	ì	ASTER	AMI	Schmuege	1791	BM	1 mm/day :: 0.5 mm/day		90 m :: Land/R,L	N/A :: Sfc
MODIS AM-PM Srabler, Hore et 2570 BM 109s.: 5% 1/mo. 1/kes 5 km:: Land MODIS AM-PM Srabler, Hore et 2570 BM 0.01; i.001 1/day, L/hrb. L/hno 1.0 km:: Land. 10 km:: Cean 10 km:: Land. 10 km:: Cean 10 km:	Cimin	Venetation Extent	0220						10%::		:: Canada/R	NIA :: Sfc
HIRIS AMJ Indice, Huber et 2749 BM 0.01::0.01 I/day, I/wk, I/mo 10 km:: Land 10 km:: Land 10 km:: Land 10 km:: Chiarophyli Cone 1248 AMJ 10 km:: 0 km; 10 km	7	The state of the s	;	MODIS	AM.PM	Strahler, Huete et	1	BM	10% :: 5%	1/mo, 1/scas	5 km :: Land	N/A:: Sfc
Chargophy!! Conc. 2563 AM2 Usin, Wessman 274 AM 20% :: 10% 1/62, p 1				MODIS	AM.PM	Justice, Hucte et	L_	BM	0.01 :: 0.01	1/day, 1/wk, 1/mo	10 km :: Land	N/A :: Sfc
Chierophyll Conc. 2563 AM.PM Clark 2570 AM 50%:::0.1mg 11day 1 hm:: Ocean-UL Imm:: Ocean-UL MODIS AM.PM Clord 2569 AM 50%:::10% 1(day, 1/hk, 1/hm 1 hm:: Ocean-UL Imm:: Ocean-UL MODIS AM.PM Chode 2569 AM 50%:::10% 1(day, 1/hk, 1/hm 1 hm:: Ocean-UL Imm:: Ocean-UL MODIS AM.PM Chode 2589 AM 50%:::10% 1(day, 1/hk, 1/hm 1 hm:: Ocean-UL Imm:: Ocean-UL MODIS AM.PM Chode 2589 AM 50%:::10% 1(day, 1/hk, 1/hm 1 hm:: Ocean-UL Imm:: Ocean-UL Imm:: Ocean-UL 20m:: Ocean-UL Imm:: Ocean-UL AM.PM				HIRIS	AM2	Ustin, Wessman	2741	Æ	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
MODIS AM-PM Carder 2571 BN 30% :: 10% 1/day, 1/wt, 1/mo 1 km :: Ocean-I/L MODIS AM-PM Carder 2569 AM 50% :: 10% 1/day, 1/wt, 1/mo 1 km :: Ocean-I/L MODIS AM-PM Carder 2570 AM 50% :: 10% 1/day, 1/wt, 1/mo 1 km :: Ocean-I/L MODIS AM-PM Abboat 2589 AM 50/0% :: 35% 1/day, 1/wt, 1/mb 1 km :: Ocean-I/L MODIS AM-PM Abboat 2589 AM 30% :: 35% 1/day, 1/wt, 1/mt 1 km :: Ocean-I/L MODIS AM-PM Abboat 2589 AM 30% :: 35% 1/day, 1/wt, 1/mt 1 km :: Ocean-I/L MODIS AM-PM Abboat 2589 AM 30% :: 30% 1/day, 1/wt, 1/mt 1 km :: Ocean-I/L MODIS AM-PM Abboat 2589 AM 30% :: 30% 1/day, 1/mt 1 km :: Ocean-I/L MODIS AM-PM Abboat 2589 AM 30% :: 0.033 2/day d.n. 1/mt 1 km :: Ocean-I/L MODIS AM-PM Abboat 2589 AM 30% :: 0.033 2/day d.n. 1/mt 1 km :: Ocean-I/L MODIS AM-PM Abboat 2589 AM 30% :: 0.033 2/day d.n. 1/mt 1 km :: Ocean-I/L MODIS AM-PM Abboat 2/day Am-PM 2/day 2/day Am-PM 2/day 2/da	Crobots	Chlorophyll Conc	2563						10% :: 0.1mg	I/day	I km :: Ocean [South Atlan]	NIA :: Sfc
MODIS AM-PM Carder 2569 AM 50% :: 10% 14dy, 1/wt, 1/mo 1 km :: Ocean-IJ/L	• 60000			MODIS	AMPM	Clark	1752	BM	30%:: 10%	1/day, 1/wk, 1/mo	1 km :: Ocean-1/ L	N/A :: TOO
MODIS AM_PM Carder 2570 AM 50% :: 10% 1/dsy, 1/wk, 1/mo 1 km :: Ocean-IJ/G,R MODIS AM_PM Abbot 2566 AM 501,00% :: 35% 1/dsy, 1/wk 1 km :: Ocean/R.L. MISR AM_PM King 2081 BM 10% :: 5% 2/dsy [d.n] 15 x 15 - 50 x 50 km :: G				MODIS	AMPM	Carder	2569	¥	50% :: 10%	1/day, 1/wk, 1/mo	1 km :: Ocean-II/L	N/A:: TOO
MODIS AM,PM Abbott 2566° AM 50-1006.::35% 1/41y, 1/wk 1 km.: Ocean/R				MODIS	AMPM	Carder	2570	M	50% :: 10%	1/day, 1/wk, 1/mo	1 km :: Ocean-II/G,R	N/A:: TOO
Cloud Cover Cloud Cover Cloud Cover Cloud Cover Cloud Cover Cloud Cover Cloud Cover Cloud Cover Cloud Cover Cloud Cover Cloud Liq_water Total Column 1922 CERES TRM_AM_PM Bartstroom 1900 BM 10% :: 5% Cloud Liq_water Total Column 1922 CERES TRM_AM_PM Bartstroom 1900 BM 10% :: 5% Cloud Liq_water Total Column 1922 CERES TRM_AM_PM Bartstroom 1900 BM 10% :: 10% Cloud Liq_water Total Column 1922 CERES TRM_AM_PM Bartstroom 1900 BM 10% :: 10% Cloud Liq_water Total Column 1824 AIRS PM Chedin, Perning, 1828 BM 10% :: 5% Clday [d.n.] 15 x 50 - 50 x 50 km :: G Cean [South Atilan] Level-18 Backscatter Cod, AIT ALT Fu ALT Fu Chedin Code Clday [d.n.] Clday	-			MODIS	AMPM	Abbott	2566	¥	50-100% :: 35%	1/day, 1/wk	1 km :: Ocean/R.L	N/A:: TOO
Cloud Liq water Total Column 2060 AM.PM King 2081 BM 10%:: 5% 2/day [d.n], 1/mo 5 km:: 0 cean [South Atlan] Cloud Liq water Total Column 1922 AM.S PM Challine, Chedin, 2062 AM 0.05:: 0.025 2/day [d.n], 1/mo 5 km:: 0 5 km:: 0 Cloud Liq water Total Column 1922 CERES TRM.AM.PM Bartatrom 1900 BM 50%:: 0.025 2/day [d.n] 15 x 15 - 50 x 50 km:: 0 2 km:: 0 Humidity Profile, Specific 1824 AM.S AM 0.05:: 0.025 2/day [d.n] 15 x 15 - 50 x 50 km:: 0 2 km:: 0 Humidity Profile, Specific 1824 AM 0.05:: 0.025 2/day [d.n] 15 km:: 0 cean [South Atlan] 15 km:: 0 cean [South Atlan] Humidity Profile, Specific 1824 AM 0.05:: 0.05 2/day [d.n] 15 km:: 0 cean [South Atlan] 15 km:: 0 cean [South Atlan] Level-18 Backscatter Cod; ALT 2096 ALT ALT RA BM 20%:: 20% 2/day [d.n] 10 km:: 0 cean [South Atlan] Level-18 Backscatter Cod; STIKSCAT 2109				MUSR	AM	Diner	2588*	Æ	30%:: 30%	1/(1-2 day) [d]	240 m :: Ocean/R	N/A:: TOO
MODIS AM,PM King 2081 BM 10% :: 5% 2/day [d.n], 1/mo 5 km :: G AIRS PM Chahine, Chedin, 2062 AM 0.05 :: 0.025 2/day [d.n] 15 x 15 · 50 x 50 km :: G Cloud Liq water Total Column 1922 CERES TRM,AM,PM Barkstrom 1900 BM 50% :: 10% 6/day [d.n] 22 km :: G Humidity Profile, Specific 1824 AIRS PM Chedin, Fleming, 1828 BM 10% :: 5% 2/day [d.n] 22 km :: G AIRS PM Chedin, Fleming, 1828 BM 10% :: 5% 2/day [d.n] 15 x 50 · 50 x 50 km :: G Level-1B Backscatter Cod, ALT ALT Pu 3464 BM :0.24B :: 0.14B 1/(10 day) 10 km :: Ocean [5outh Atlan] Level-1B Backscatter Cod, 571/SCAT 2/09 THEM Fellich 2/08 BM :0.24B :: 0.14B 1/(10 day) 25 km :: G Chall Lie	Srokarz	Cloud Cover	2060						5%::1%	21009	10 km :: Ocean [South Atlan]	NIA :: Cloud
AIRS PM Chatine, Chedin, 2062 AM 0.05 :: 0.025 2/day [d.n.] 15 x 15 · 50 x 50 km :: G				MODIS	AM,PM	King	2081	BM	10%:: 5%	2/day [d,n], 1/mo	S lcm :: G	N/A :: Cloud
Cloud Liq_water Total Column 1922 RMAM_PM Bartstrom 1900 BM 50% :: 10% 6/day [d_n] 15 km :: Ocean [South Atlant] Humidity Profile, Specific 1824 TRM_AM_PM Bartstrom 1900 BM 50% :: 10% 6/day [d_n] 25 km :: Ocean 25 km :: Ocean Humidity Profile, Specific 1824 AIRS PM Chedin, Fleming, 1828 BM 0.3½kg :: 0.1½kg 2/day 10 km :: Ocean [South Atlant] 22 km :: Ocean Level-1B Backscatter Cod, STI/SSAT 2086 ALT ALT PM Rosenkramz 3692 BM 2.04g :: 20% 2/day [d_n] 15 km :: Ocean [South Atlant] Level-1B Backscatter Cod, STI/SSAT 2109 ALT ALT PM Rosenkramz 3464 BM 2.04g :: 20% 2/day [d_n] 10 km :: Ocean [South Atlant] Level-1B Backscatter Cod, STI/SSAT 2109 ALT ALT Pm 3464 BM 0.34B :: 0.14B 11/day 10 km :: Ocean [South Atlant] STIKSCAT 2109 CHEM Feilich 2108 BM 0.34B :: 0.14B<				AIRS	M	Chahine, Chedin,	Ļ	AM	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
CERES TRM_AM_PM Barkstrom 1900 BM 50%::10% 6/day [d_n] 25 km::G 22 km::CG MIMR PM TBD 3598 AM 0.3½/kg.:0.1½/kg 2/day [d_n] 22 km::CGenn 22 km:CGenn 22 km::CGenn Srotor	Cloud Lie water Total Column	1922						10% :: 0.1kg/m^2	2/403	10 km :: Ocean [South Atlan]	NIA :: Trop	
Humidity Profile, Specific 1824				CERES	TRMAMPM		1900	BM	50% :: 10%	(day [d,n]	25 km :: G	Column :: Atmos
Humidity Profile, Specific 1824 AIRS PM Chedin, Fleming, 1828 BM 10% :: 5% 2/day [d.n] 15 x 50 - 50 x 50 x m :: G Level-1B Backscatter Cod, STI/SCAT 2006 AIRS PM Rosenkring, 1828 BM 20% :: 20% 2/day [d.n] 15 x 50 - 50 x 50 x m :: G Bm 15 x 50 - 50 x 50 x m :: G Bm 15 x 50 - 50 x 50 x m :: G Bm 17 (10 day) 10 km :: Ocean [South Atlan] Bm 17 (10 day) 10 km :: Ocean [South Atlan] Bm 17 (10 day) 10 km :: Ocean [South Atlan] Bm 17 (10 day) 10 km :: Ocean [South Atlan] Bm 17 (10 day) 10 km :: Ocean [South Atlan] Bm 17 (10 day) 10 km :: Ocean [South Atlan] Bm 17 (10 day) 10 km :: Ocean [South Atlan] Bm 17 (10 day) 10 km :: Ocean [South Atlan] Bm 17 (10 day) 17 (10 day) 10 km :: Ocean [South Atlan] Bm 17 (10 day) 17 (10 day) <td< td=""><td></td><td></td><th></th><td>MIMR</td><td>Z</td><td></td><td>3598</td><td>AM</td><td></td><td></td><td>22 km :: Ocean</td><td>N/A :: Trop</td></td<>				MIMR	Z		3598	AM			22 km :: Ocean	N/A :: Trop
AIRS PM Checlin, Fleming, 1828 BM 10% :: 5% 2/day [d.n.] 15 x 50 - 50 x 50 x m :: G Level-1B Backscatter Cod, ALT 2006 ALT ALT ALT ALT PM Rosendaming, 1828 BM 2006 :: 0.1dB 1/(10 day) 10 bm :: Ocean [South Atlan] 10 bm :: Ocean [South Atlan] Level-1B Backscatter Cod, 5TI/SSCAT 2109 ALT ALT Ph Ph 0.3 dB :: 0.1 dB 1/(10 day) 10 bm :: Ocean [South Atlan] 10 bm :: Ocean [South Atlan] Level-1B Backscatter Cod, 5TI/SSCAT 2109 Heilich 108 BM :: 0.25 dB 1/(10 day) 25 bm :: Ocean [South Atlan]	Srotoes	Humidity Profile, Specific	1824						0.3g/kg :: 0.1g/kg	2/day	10 km :: Ocean [South Atlan]	
Level-1B Backscatter Cod, ALT 2109 ALT ALT PM Rosenthrinz 3692 BM 20%:: 20% 2/day [d.n] 50 km :: G Level-1B Backscatter Cod, STIKSCAT 2109 ALT ALT R PM 0.24B :: 0.14B 11(10 day) 10 km :: Ocean [South Atlan] Level-1B Backscatter Cod, STIKSCAT 2109 ALT ALT Relich 2108 BM :: 0.3 dB :: 0.1 dB 11day 2.5 km :: Gcean [South Atlan]				AIRS	M	Chedin, Fleming,		BM	10% :: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
Level-1B Backscatter Cod, ALT 2096 ALT ALT Pu 3464 BM 0.34B :: 0.14B 1/(10 day) 10 hm :: Ocean [South Atlan] 1 Level-1B Backscatter Cod, STIKSCAT 2109 ALT CHEM Feelich 2108 BM :: 0.25 dB 25 hm :: Ocean [South Atlan] 1				AIRS	PM	Rosentranz	3692	BM	20%:: 20%	2/day [d,n]	50 km :: G	2 km :: Atmos
ALT ALT Pis 3464 BM BM 11day 25 bm:: Ocean [South Atlan] Level-1B Backscatter Cod, STIKSCAT 2109 FRIKSCAT CHEM Freilich 2108 BM :: 0.25 dB 25 km:: G	Srotosz	Level-18 Backscatter Cod, ALT	2096						0.2dB :: 0.1dB	11(10 day)	10 km :: Ocean [South Atlan]	NIA :: Sfc
Level-1B Backscarter Cod, STIKSCAT 2109 THESCAT CHEM Freilich 2108 BM ::0.25 dB 11day 25 km :: Ocean [South Atlan]				ALT	ALT	R	3464	BM				
STIKSCAT CHEM Relich 2108 BM :: 0.25 dB 25 km :: G	Cropora	I evel. IR Backscatter Cod. STIKSCAT	2109						0.3 dB :: 0.1 dB	11day	25 km :: Ocean [South Atlan]	NIA :: Sfc
	27 0408	the same of the sa	i	STIKSCAT	CHEM	Freilich	2108	BM	:: 0.25 dB		25 km :: G	N/A :: Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	IDS Input Data Product		E	EOS Instrument	ent Output Data Product	Product	ŀ	Accurace	Tomograph		
Investigator	Product Name	Prod #	Inctr	Platforms	Platforms Investigates Dec # Maint	Dec #	Mater	Accuracy	l emporal	Horizontal	Vertical
Srokos	Level IR Backwater Wandrems ALT	ž.			III VESUIS MUOT	# 2011	INTRICE	ADS :: Kel	Kesolution	Resol :: Cover.	Resol :: Cover.
		3						0.02(bin) :: 0.1dB	1/(10 day)	10 km :: Ocean (South Atlan)	N/A :: S/c
Croker			7	ALI	£	ž	BM				
2000010	Level-15 Kadidace, MUDIS	3310						0.05% ::	I/day	/ bm :: R	N/A Almos
			MODIS	AM,PM	Selomonson	2338	BM	5%(1x):: RMS <nedl< td=""><td>1/day</td><td>0.5 km :: G</td><td>N/A : N/A</td></nedl<>	1/day	0.5 km :: G	N/A : N/A
			MODIS	AM,PM	Salomonson	2339	BM	5%(1x):: RMS <nedl< td=""><td>1/dav</td><td>G:: El -</td><td>*/X : */X</td></nedl<>	1/dav	G:: El -	*/X : */X
			MODIS	AM,PM	Salomonson	2340	BM	1%(1x) :: RMS <nedl< td=""><td>1/day</td><td>D:: E</td><td>N/A :: N/A</td></nedl<>	1/day	D:: E	N/A :: N/A
			MODIS	AM.PM	Salomonson	2392	BM	5%(1x):: RMS <nedl< td=""><td>1/day</td><td>0.25 km :: G</td><td>N/A :: N/A</td></nedl<>	1/day	0.25 km :: G	N/A :: N/A
Srokoss	Ocean Wave Height, Significant	3131						>(5m,5%)::0.1m	I/day	10 km :: Ocean/R	N/A Sfe
į			ALT	ALT	æ	3129	ВМ	>.5m,10% ::	,	7 km :: Ocean	N/A :: Sfc
Srokoss	Precipitable Water	1868						1 kg/m^2 :: 0.1 kg/m^2	2/dav	10 km :: Ocean [South Atlan]	N/A Atmos
			MODIS	AM.PM	Menzel	1875	BM	10 mm :: 5 mm	2/day	5 km :: G	N/A :: Atmos
			MIMR	PM	TBD		ВМ			22 km :: Ocean	Column : Tron
			AIRS	PM	Chedin, Fleming,		VW	5%:: 3%	2/day [d,n]	50 km :: G	N/A :: Tron
			AIRS	PM	Rosenkranz	3693	ΨV	2 mm :: 1 mm	2/day [d,n]	50 km :: G	N/A :: Trop
Srokosz	Frecipitation Kale, Rain	1975						10% :: Immhr	2/day	10 km :: Ocean [South Atlan]	N/A :: Trop
			MIMR	PM	TBD	3600	BM			22 km :: Global	N/A :: Sfc
Srokosz	Radiative Flux, LW	2385						10W/m^2 :: IW/m^2	21day	10 km .: Ocean (South Atlan)	
			CERES	의	M Barkstrom	2205	BM	5 W/m^2 :: 2 W/m^2	6/day [d,n]	25 km :: G	N/A :: TOA
			AIRS	PM	Gautier	2177*	AM	<10:: TBD	1/day	50 km :: Ocean	N/A :: Sfc
Srokosz	Radiative Flux, SW	2400						10W/m^2 :: IW/m^2	2/day	10 km :: Ocean ISouth Atlan!	
			AIRS	PM	Gautier	2233•	BM	<10::<5	1/day	50 km :: Ocean	N/A :: Sfc
			CERES		Barkstrom	1222	Æ	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A :: Sfc
		_	CERES	TRM,AM,PM	Barkstrom	2229	₹	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM,AM,PM	Barkstrom	2247	ΑM	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A :: Sfc
Srokost	Sea_Ice Conc	3142						%1 :: %01	1/day	10 km :: OceanCryo	NIA Sfe
			MIMR	PM	TBD	3611	BM			22 km :: Ocean/Cryo	N/A :: Sfc
Srokosz	Sea Ice Edge	3158						0.1 dg :: 0.01 dg	I/day	NIA :: Ocean(Crva	N/A ·· S/r
			MIMR	Ţ	TBD	3613	BM			22 km :: Ocean/Crvo	N/A Sfe
			MODIS		Salomonson	3153	BM	<=5%::<=5%	1/day, 1/wk, 1/mo	10 km :: Ocean/Cryo	N/A :: Sfe
			MODIS	2	Selomonson	3154	₹	<=5%::<=5%	1/day, 1/wk, 1/mo	1 km :: Ocean/Cryo,R	N/A :: Sfc
			MIMR	Ţ	TBD	3611	₹			22 km :: Ocean/Cryo	N/A :: Sfc
1 1 2	the state of the s		ASTER	AMI	Welch	3152	¥			90 m :: Ocean/Cryo	N/A :: Sfc
Srokosz	sed stellemperature (551)	2220						0.3 K(IR) :: 0.1 K	2/day	.100-1 km :: Ocean [South Atlan]	NIA :: Sfc
			MODIS		Вгомп	2527	M.	0.3-0.5 K :: 0.1-0.3 K	1/day, 1/wk, 1/mo	1 km :: Occan/L	N/A :: Sfc
			MODIS	ı	Brown	2529	¥	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	4 km:: Ocean/R,L	N/A :: Sfc
Cropore	Tanana at a Bar City		MODIS	M, WA	Brown, Barton	2530	₹ F	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	4 km:: Ocean/R,L	N/A :: Sfc
	i emperator e rigile	1980						1 K :: 0.1 K	21day	10 km :: Ocean (South Atlan)	
			AIRS THE	1	Chedin, Fleming.	1588	MA :	1.0 K :: 0.4 K	2/day [d.n]	15 x 50 - 50 x 50 km :: G	1, 2 km :: Atmos
Cotton	T		3	CHEM	Bear	1614	¥	:: 2 K	1/(16 day)	16 x 5 km :: G	1 km, 4-6 km :: 0-12 km
	opographic Elevation, sea_stc	210/						0.02m :: 0.01m	11(10 day)	10 km :: Ocean/R	NIA :: Sfc
Croboss	with a Distriction		7F.	Į,	2	20 GE	BM	Scm ct ≥ i:	1/(16 day)	25 km :: Ocean	N/A :: Sfc
2000010	H DIA CIVECINON	50/7	10000					10 dg :: 1 dg	1/day	25 km :: Ocean (Sowth Atlan)	
Cachan	7 - 13 F - 13 F - 14		SHRSCAL		Felich	0891	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A:: Near_Sfc
	wind Speed, Sed_Sic	9//						I m/s :: 0.1 m/s	11day	25 km :: Ocean [Sowh Atlan]	NIA :: Sfc
			MIMK		TBD	35%	E.			39 km :: Ocean	N/A :: Sfc
			SHESCAL	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

and to other	- 7										
Investigator	Product Name	Prod#	Instr.	Platforms	Investigator Prod #	Prod # Match	Jatch	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Srokoss	Wind Velocity, Friction	1684						5%.5 dg :: .01m/s,1dg	Ilday	25 km :: Ocean [South Atlan]	NIA :: Sfc
	:		STIKSCAT	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
			STIKSCAT	CHEM	Freilich	1679	AM	:: 7%, 16 dcg	1/(2 day)	1 dg :: Ocean	N/A:: Near_Sfc
Tapley	Humidity Profile	1825						5% ::	41407	50 km :: G	I km :: Almos
			AIRS	M	Chedin, Fleming,	1828	BM	10%:: 5%	2/day [d,n]	15 x 50 · 50 x 50 km :: G	2 km :: Atmos
			TES	СНЕМ	Beer	1842	AM	:: 50 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
Tapley	Wind Speed, Sea sfc	1111						1 m/s ::	41day	50 km :: Ocean	N/A :: Sfc
•			AIRS	PM	Aumann	1718•	Æ		1/day	50 km :: Ocean	N/A :: Sfc
		4	MIMR		TBD	3594	Æ			39 km :: Occan	N/A :: Sfc
Tabley	Wind Stress	1745						:: %01	41day	50 km :: Ocean	NA :: Sfc
(2. 1.		!	STIKSCAT	CHEM	Freilich	1746	BM			:: Ocean	:: Sfc
		•	MIMR		TBD	3594	BM			39 km :: Ocean	N/A :: Sfc
Wielichi	Aerosol Optical Denth	2289						0.10 :: 0.10	IIday	1.25 dg :: G	NA :: Atmos
			FOSP	AERO AM2	Travis	72297	BM BM	0.2:: 10%	1/day [d]	40 km :: G	Column :: Atmos
			MODIS	П	Kaufman, Tanre	2293	¥	0.1 :: 0.05	1/day, 1/mo	0.5 dg :: Land	N/A :: Atmos
		•	MODIS	AM.PM	Tarre, Kaufman	2294	¥	0.05 :: 0.02	1/day, 1/mo	0.5 dg :: Ocean	N/A :: Atmos
		•	MISR	Π	Dine	2299	¥	0.05/10% :: 0.05/10%	1/(S-16 day) [d]	15.4 km :: G	Column :: Atmos
		•	GLRS-A		Spinhime	2300	Ą	20%::	1/(2-16 day)	1-100 km :: G	
Wielicki	Animorovy I.W broadband Clear-sky	2025						2%::1%		10 dg [Angle] :: Glcb	NIA :: Sfc, Atmos
			CERES	TRM, AM, PM	Barkstrom	2027	BM M	2%:: 0.5%		10 dg [Angle] :: G	N/A :: Sfc,Atmos
Wielich	Anisotropy, LW broadband, Cloudy-sky	2026						2% :: 1%		10 dg [Angle] :: G/cld	NIA :: Sfc, Atmos
:			CERES	TRM, AM, PM	Barkstrom	2027	BM	2% :: 0.5%		10 dg [Angle] :: G	N/A :: Sfc,Atmos
Wielich	Cloud Cover	2061						5%:: 2%	(up) (ap)	25-100 km :: G	N/A :: Atmos
			CERES	TRM, AM, PM	Barkstrom	2086	BM	5% :: 2%	(day [d.n]	25 km :: G	N/A :: Atmos
			AIRS	M	Chahine, Chedin,	2062	¥	0.05 :: 0.025	2/day [d.n]	15 x 15 · 50 x 50 km :: G	N/A :: Cloud
			MODIS	AM.PM	King	2081	ΑM	10% :: 5%	2/day [d,n], 1/mo	5 km :: G	N/A :: Cloud
Wielicki	Cloud Cover	2077						2%::2%	11(16 day)	30 m :: R	NIA :: AImos
			HIRIS	AM2	Welch	2079	BM	1%:: 0.5%	1/(1-3 min), 1/(2-16 day)		:: Cloud
			ASTER	AMI	Welch	2080	ΑM	3% :: 3%	1/(16 day)	90 m :: L	N/A :: Cloud
Wielichi	Cloud Drop Phase	1760						25% :: 10%	11(16 day)	.03-10 km :: R	N/A :: Atmos
			ASTER	AMI	Welch	1763	BM	water/ice ::	1/(16 day)	15-30 m :: L	N/A:: Cloud
			MODIS	AM,PM	King, Menzel	1764	BM	90% Conf :: 90% Conf	1/day	S km :: G	N/A :: Cloud
			HIRIS	AM2	Welch	1762	AM		1/(2-16 day)	30 m :: L	N/A :: Cloud
Wielichi	Cloud Drop Phase	1921						90% Conf :: 90% Conf	6/day [d.n]	25-100 km :: G	NIA :: Atmos
			CERES	TRM,AM,PM	Barkstrom	1768	ВМ	90% Conf :: 90% Conf	[u,b] yab/8	25 km :: G	N/A :: Аtmos
			MODIS	MA,MA	King, Menzel	1764	AM	90% Conf :: 90% Conf	1/day	5 km :: G	N/A :: Cloud
			EOSP	AERO,AM2	Travis	1770	AM	:: 95% Corr	1/day [d]	100 km :: G	N/A :: Cloud
Wielichi	Cloud Drop Size	1771						25% :: 10%	11(16 day)	.03-10 km :: R	N/A :: Atmos
			ASTER	AMI	Welch	1779	BM	10 um ::	1/(16 day)	15-90 m :: L	:: Cloud
			MODIS	AM,PM	King, Menzel	1780	M	0.40% :: 5%	1/day	5 km :: G	N/A :: Cloud
			HIRIS	AM2	Welch	1776	₹	20%:: 10%	1/(2-16 day)	30 m :: L	:: Cloud
		7	HIRIS	AM2	Welch	1778	ΑM	10 um ::	1/(2-16 day)	30m::L	:: Cloud
Wielichi	Cloud Drop Size	1777						30% :: 10%	6/day [d.n]	25-100 km :: G	N/A :: Atmos
	•		CERES	TRM,AM,PM	Barkstrom	1784	M	30%:: 10%	(4p) [4n]	25 km :: G	N/A :: Atmos
			MODIS	AM.PM	King, Menzel	1780	ΨV	0-40% :: 5%	1/day	5 km :: G	N/A :: Cloud
Wielich	Cloud Height, Base	1386						1 km :: 0.1 km	6/day [d.n]	25-100 km :: G	0.1 km :: Atmos
			CERES	TRM,AM,PM Barkstrom	Barkstrom	1393	MA M	1.0 km :: 0.1 km	[n,b] ysb/ð	25 km :: G	0.1 km :: Atmos

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

Prod Inst. December Instituted Ins		INC Inches Date Date date			, 3			l				
Cheat light, State 1570	Investigator	Product Name	Deced #	12	Jo Instrumen	Output Data	Product		Accuracy	Temporal	Horizontal	Vertical
Count light, State 1997 1410	William Street		# DOLL	Instr.	Flatforms	Investigator	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Cloud Height, Top ANT Week 1399 AM 73 m.; D 10 to 10	7 15 IF I	Ciona neigne, base	1387						0.1 km :: 0.1 km	11(16 day)	0.2 km :: R	0.1 km :: Asmos
Cloud Height, Top 1425				ASTER		Welch	1391	BM	100 m :: 100 m	1/(16 day)	100 m :: L	N/A :: Cloud
Cloud Itely Top 125 Cloud Itely Top AM2 Week 150 AM3 Week 150 AM3 Week 150 AM3 Week 150 AM3 AM3 Week 150 AM3				GLRS-A	ALT	Spinhime et al	1389	₩	75 m ::	1/(2-16 day)	.2-100 km :: G	75 m :: Cloud
Chard Liefe, Top 1420 CRESS TRANAAPM Bacterom 1350 BM 0.1 to mis. 0.1 km 0.0				HIRIS	AM2	Weich	1390	ΨV	50 m :: 50 m	1/(2-16 day)	30 m :: L	N/A :: Cloud
Chaul High. Top 1429 CARES TNAMAJAM Bartenon 1359 BM 10 thms; 0.1 km 200ay [d.ol]	Wielicks	Cloud Heigh, Base	1388						0.1 km :: 0.1 km	21day [d.n.]	50 km :: R	0.1 km :: Atmos
Clead Integht, Top 1420 AINS PM Chanke, Cheede, 1420 BM O. 1 the 2.0 Ltm 1/(10 the 2.0)				CERES			1393	BM	1.0 km :: 0.1 km	(n,b) vab/8	25 km :: G	0.1 km :: Atmos
Chaul Height, Top 143	Wielich	Cloud Height, Top	1420						0.1 km :: 0.1 km	2/day [d.n.]	50 km :: R	0.1 km :: Atmos
Cloud Liej, 179 1431 ASTER AMI Weekh				AIRS	Æ	Chahine, Chedin,	1423	BM	0.5 km :: 0.25 km	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
Cloud Heipt, Top 1427 RAM Weekhe still 1425 AM 300m :: 200m 1/(10 day) Wielicki	Cloud Height, Top	1421						0.1 km :: 0.1 km	11(16 day)	0.2 km :: R	0.1 km :: Atmos	
Cloud Lie; water Content 1425				ASTER		Welch	1427	BM	300 m :: 300 m	1/(16 day)	90m::L	N/A :: Cloud
Chaul High, Top 1422 FHISS AM2 Webl, Geets 1415 AM Storm : 250m 1/(2) (4 jr)				GLRS-A	ALT	Spinhime et al	1425	ΑM	75 m ::	1/(2-16 day)	200 m :: G	75 m :: Cloud
Cloud Liq, water Content 1907 CREES TRN,AMPP Bartenom 1421 AM 10 fam: 0.1 hm 6440y [d.d.]				HIRIS	AM2	Welch, Goetz	1426	ΑM	500 m :: 250 m	1/(2-16 day)	30 m :: L	N/A :: Cloud
CIRRES TRALAMPM Bartenom 141 AM 1,0 km; 0,1 km 1,	Wielich	Cloud Height, Top	1422						0.5 km :: 0.1 km	6/day [d.n.]	25-100 km :: G	0.1 km :: Atmos
Cloud Liq_wader Content 1995 TRALAMPP Birthorn 1411 AM Oldrin 2 (100mm				CERES		Barkstrom	1429	BM	1.0 km :: 0.1 km	[lub] kep/9	25 km :: G	0.1 km :: Atmos
Cloud Liq_wader Content 1907				CERES		Barkstrom	1431	AM	0.5 km :: 0.1 km	1/(6 社)	1.25 x 1.25 de :: G	0.1 km :: Atmos
Cloud Lie, water Centent 1906 Reservance 1906 RM 1906				MISR		Diner	1432•	ΑM	<1000 m :: <1000 m	1/(S-16 day) [d]	5 km :: G	N/A :: Trop
Cloud Upical Daph, LW 2116 TRA, AMP Bacterina 1896 BM 71% : 10% 60åry [d.n.]	Wielichi	Cloud Liq_water Content	9061						20% :: 10%	2/day [d,n]	12-25 km :: G	N/A ·· Atmos
Cloud Opical Depth, I.W TSD 1989 BM 75% = 1.0% 6/day [d.n]				AIRS	PM	Rosenkranz	1908	ВМ	0.1:: 0.1	2/day [d,n]	50 km :: G	N/A :: Cloud
Cloud Liq water Conton 1907 CRES TRMAMPP Bartatrom 1806 RM 75% :: 10% 6/day [d.n]				CERES	Σ	Barkstrom	1896	BM	75%:: 10%	(day [d,n]	25 km :: G	lvr :: Atmos
Cloud Liq water Content 1907 CERES TRM_AM_PM Restriction 1908 AM 011.01 2(day [d.n] AIRS PM Restriction 1908 AM 011.01 2(day [d.n] AIRS PM Restriction 1908 AM 011.01 2(day [d.n] Cloud Opical Depth, JW 2319 CERES TRM_AM_PM Bartatom 2318 BM 25%::10% 6(day [d.n] Cloud Opical Depth, SW 2319 CERES TRM_AM_PM Bartatom 2319 BM 25%::10% 6(day [d.n] Cloud Reflectance, Bi-directional (BRDF) 3013 CERES TRM_AM_PM Bartatom 232 BM 25%::10% 3/day [d.n] Cloud Reflectance, Bi-directional (BRDF) 3431 CERES TRM_AM_PM Bartatom 3698 BM 35%::15% 1160 m) Cloud Reflectance, Bi-directional (BRDF) 3431 AM Diner 2039 BM 3%::15% 1/day [d.n] Humidity Profite 1204 AIRS AM Diner 2039 BM 3%::15% 1/day [d.n] Humidity Profite 1206 AIRS AM Diner 2039 BM 3%::15% 1/day [d.n] Humidity Profite 1206 AIRS AM Diner 2039 BM 3%::15% 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 0001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/day [d.n] Humidity Reflectance, Bi-directional, SW_B 19 001 1044, 1/d				MIMR		TBD	3598	AM			22 km :: Ocean	N/A :: Trop
Cloud Optical Depth, LW 2314 PM Rescrictoral 1896 RM 75% :: 10% 6/day [d.n.] 10.1.01 2/day [d.n.] 10.1.01		Cloud Liq_water Contens	1907						50% :: 10%	6/day [d.n.]	25-100 km :: G	N/A :: Atmos
AIRS PM Resentance 1908				CERES	TRM,AM,PM	Barkstrom	1896	BM	75%:: 10%	(t'p] (dy)	25 km :: G	lvr :: Atmos
Cloud Optical Depth, LW 2314 MIDNR PM TBD 3558 AM Cloud Optical Depth, LW 2314 CERES TRM,AM,DM Bartstrom 2316 BM 2548::10% 6/day [d.n] Cloud Optical Depth, SW 2319 CERES TRM,AM,DM Bartstrom 231 BM 2548::10% 3/day [d] Cloud Reflectance, Bi-directional (BRDF) 3615 TRM,AM,DM Bartstrom 2321 BM 2548::10% 3/day [d] Cloud Reflectance, Bi-directional (BRDF) 3615 TRM,AM,DM Bartstrom 2039 BM 358::15% 1/day [d] Cloud Reflectance, Bi-directional (BRDF) 2423 BM 358::15% 1/day [d] MISR AM Dineer 2039* BM 358::15% 1/day [d] Hundidry Profile 1825 AM Dineer 2039* BM 358::15% 1/day [d] Hundidry Profile 1825 AM 358::15% 1/day [d] 1/day [d] Lond 3/c Emistrity 1825 AM 358::1				AIRS		Rosenkranz	1908	¥	0.1:: 0.1	2/day [d,n]	50 km :: G	N/A :: Cloud
Cloud Opiical Depth, LW 219 CERES TRM,AM,PM Bintstrom 2316 BM 25% :: 10% 6/day [d.h.] Cloud Opiical Depth, SW 219 CERES TRM,AM,PM Bintstrom 2311 BM 25% :: 10% 3/day [d.] Cloud Reflectance, Bi-directional (BRDF) 3015 CERES TRM,AM,PM Bintstrom 2021 BM 25% :: 10% 3/day [d.] Cloud Reflectance, Bi-directional (BRDF) 2421 2434 244				MIMR		TBD	3598	¥			22 km :: Ocean	N/A :: Trop
Cloud Opical Depth, SW 2319 CERES TRM,AM,PM Bartstrom 2321 BM 2545;;1076 31day [d]		Cloud Optical Depth, LW	2314						25% :: 10%	61day [d.n.]	25-100 km :: G	N/A :: Atmos
Cloud Optical Depth, SW 2319 CERES TRM,AMPM Bartstrom 2321 BM 25% :: 10% 3/day [d]				CERES		Barkstrom	2316	BM	25%:: 10%	(day [d,n]	25 km :: G	N/A :: Atmos
CIRES TRM,AM,PM Bartstrom 2221 BM 25% :: 10% 3/day [d]	Wielichi	Cloud Optical Depth, SW	2319						25% :: 10%	31day [d]	25-100 km :: G	N/A :: Atmos
CIRRES TRMAMPM Bartstrom 2023 BM 25%::5% 1/6 hy)				CERES	TRM,AM,PM	Barkstrom	2321	ВМ	25%:: 10%	3/day [d]	25 km :: G	N/A :: Atmos
Cloud Reflectance, Bi-directional (BRDF) 3615 TRM_AM_PM Bartstrom 3698 BM 556.::156 TBD Cloud Reflectance, Bi-directional, (BRDF) 2423 MISR AM Direc 20399 BM 356.::156 Variable] [d] Hunidity Profile 1200 AIRS AM Direc 20399 BM 356.::156 Variable] [d] Hunidity Profile 1200 AIRS AM Direc 20399 BM 356.::156 Variable] [d] Hunidity Profile 1200 AIRS AM Direc 20399 BM 356.::156 Variable] [d] Hunidity Profile 1200 AIRS AM Direc 20399 BM 356.::156 Variable] [d] Hunidity Profile 1200 AIRS PM Chedin, Fleming, 11828 BM 1056.::1053 2.day [d.n.] Land 3fc Reflectance, Bi-directional, SW_B 2043 AM, PM Barron 21119 BM 556.::256 1.(day [d.n.] MODIS AM, PM Direc 2531 BM 556.::256 1.(day [d.n.] MODIS AM, PM Muller, Strahler, 1 36699 BM 556.::256 1.(day [d.n.] MODIS AM, PM Muller, Strahler, 1 36699 BM 556.::256 1.(day [d.n.] MODIS AM, PM Muller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modis AM, PM Muller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modis AM, PM Muller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modis AM, PM Muller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modis AM, PM Muller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modis AM, PM Muller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modis AM, PM Muller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modis AM, PM Muller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modis AM, PM Muller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modis AM, PM Muller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modis AM, PM Muller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modis AM, PM Muller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modis AM, PM Maller, Strahler, 1 36699 BM 556.:256 1.(day [d.n.] Modi				CERES	TRM,AM,PM	Barkstrom	2323	BM	25%:: 5%	1/(6 hr)	1.25 dg :: G	N/A :: Atmos
CIRES TRM_AMP Bartstrom	Wielicki	Cloud Reflectance, Bi-directional (BRDF)	3615						5%::2%	CBT	10 dg [Angle] :: G	N/A :: CM
MISR				CERES	TRM,AM,PM	Barkstrom	3698	BM	5%:: 1%		10 dg [Angle] :: G	N/A :: Atmos
Cloud Reflectance, Bi-directional, (BRDF) 2423 EOSP AERO,AM2 Travis 3644 AM 5%:: 1% 2 day [d] Cloud Reflectance, Bi-directional, SW Br 2435 2435 2434 AM 25%:: 2% 1/doy MISR AM Direct 2039* BM 3%:: 1% [variable] [d] Hunidity Profile 1826 AIRS PM Chedin, Pleming, 2113* BM 35%:: 5% 2/day [d.n] Land sfc Reflectance, Bi-directional, SW Br 2043 AM 2013* BM 0.015:: 0.025 2/day [d.n] Land sfc Reflectance, Bi-directional, SW Br 2043 AM Direct 2631 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2631 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Direct 2632 BM 5%:: 2% 1/(5-16 day) [d] MISR AM Mullet, 3 well at \$(3.5) 2.035				MISR		Diner	2038•	BM	3%::1%	[variable] [d]	240 m :: R	N/A :: Trop
Cloud Rejectance, Bi-dir ectional, (BRDF) 2423 AERO-AM2 Travis 3644 AM 5%:: 2% 11day Cloud Rejectance, Bi-dir ectional, SW-Bi-Bi-Bi-Bi-Bi-Bi-Bi-Bi-Bi-Bi-Bi-Bi-Bi-				MISR	1	Diner	2039•	BM	3%::1%	[variable] [d]	1.92 km :: G	N/A :: Trop
Cloud Rejectance, Bi-directional, (BRDF) 2423 MISR AM Diner 2038* BM 3%::1% [variable] [d] Hunidity Profile 1826 AIRS AM Diner 2039* BM 3%::1% [variable] [d] Hunidity Profile 1826 AIRS AM Diner 2037 AM 3%::1% [variable] [d] Hunidity Profile 1826 AIRS PM Chedin, Feming, 1828 BM 10%::3% 2/day [d.n.] Land_sic Emissivity 2120 AIRS PM Chedin, Feming, 2113* BM 0.013::0.023 2/day [d.n.] Land_sic Reflectance, Bi-directional, SW_B, 2043 AM,PM Barton 2631 BM 5%::2% 1/day [d.] Land_sic Reflectance, Bi-directional, SW_B, 2043 AM,PM Diner 2631 BM 5%::2% 1/(5·16 day) [d] MODIS AM,PM Muller, Strahler, 7 3669* BM 5%::2% 1/(5·16 day) [d]				EOSP	4	Travis	364	₹	5% ::	2 day [d]	10 km :: G	NA :: Cloud, Sfc
Humidity Profile		Cloud Reflectance, Bi-directional, (BRDF)	2423						5% :: 2%	1/day	0.2-2 km :: R	N/A :: Cloud
Humidity Profile				MISR	-	Diner	2038	MA MA	3%::1%	[variable] [d]	240 m :: R	N/A :: Trop
Hwidisy Profile				MISR	T	Dina	2039•	MM M	3%::1%	[variable] [d]	1.92 km :: G	N/A :: Trop
Land_sfc Emissivity 12120	l			HIRIS	T	Welch	2037	¥	:: 1%		30 m :: R	:: Cloud
Land_sfc Emissivity 2120 AIRS PM Chedin, Fleming, 1828 BM 10%:: 5% 2/day [d.n] Land_sfc Emissivity 2120 AIRS PM Chedin, Fleming, 2113* BM 0.025:: 0.025 2/day [d.n] MODIS AM,PM Barton 2111* BM 0.05:: 0.025 2/day [d.n] Modis AM,PM Barton 2111* BM 0.01:: 0.01 1/day, 1/wk MISR AM Direct 2631 BM 5%:: 2% 1/(5·16 day)[d] MODIS AM,PM Muller, Strahler, 1 3669* BM 5%:: 2% 1/(5·16 day)[d]		Humairy Profile	1826						20% :: 10%	4/day [d.n]	1.25 dg :: G	2 km :: Asmos
Land_stc Putstivity 2120 AIRS PM Chedin, Fleming, 2113* BM 0.025::0.025 21day [d.n] Land_stc Reflectance, Bi-directional, SW_B* 2043 AM,PM Barton 2111* BM 0.01::0.01 1/day, 1/wk Land_stc Reflectance, Bi-directional, SW_B* 2043 AM,PM Burner 2511* BM 0.01::0.01 1/day, 1/wk MISR AM Diner 2631 BM 5%::2% 1/(5:16 day)[d] MODIS AM,PM Muller, Strahler, 1 3669* BM 5%::2% 1/(5:16 day)[d]				AKS	1	Chedin, Fleming.	1828	BM	10% :: 5%	2/day [d,n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
AIRS PM Chedin, Fleming, 2113* BM 0.05 :: 0.025 2/day d.n.		Land afc Emissivity	2120						0.025 :: 0.025	2/day (d.n.)	1.25 dg :: Land	NIA :: Sfc
Land_sfc Reflectance, Bi-directional, SW_B: 2043 AM_PM Barton 2111* BM 0.01::0.01 1/ksy, 1/wk Land_sfc Reflectance, Bi-directional, SW_B: 2043 MISR AM Direct 2631 BM 5%::2% 1/dsy [d] MISR AM Direct 2632 BM 5%::2% 1/fs-16 day)[d] MODIS AM_PM Muller, Strahler, 7 3669* BM 5%::2% 1/fs-16 day)[d]				AIRS	Т	Chedin, Fleming,	2113•	M M	0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: Land	N/A :: Sfc
Land_3c Reflectance, Bi-directional, SW_Br. 2043 MISR AM Dinor 2631 BM 5%::2% 1/dsr/[d] MISR AM Dinor 2632 BM 5%::2% 1/(5-16 day)[d] MODIS AM_PM Muller, Strahler, 7 3669* BM 5%::3% 1/dsy				MODIS		Barton	21110	BM	0.01 :: 0.01	1/day, 1/wk	50 km :: G,R	N/A :: Sfc
AM Diner 2631 BM 5%:: 2% 1/(5-16 day) [d] AM Diner 2632 BM 5%:: 2% 1/(5-16 day) [d] AM,PM Muller, Srahler, 1 3669* BM 5%:: 3% 1/day		Land stc Reflectance, Bi-directional, SW_B)	2043	1					5% :: 2%	11day [d]	0.2-2km :: R	N/A :: Sfc, Atmos
AM.PM Muller, Strahler, 7 3669* BM 5%:: 2% 1/(5-16 day) [d]				MISR		Diner	2631	Æ	5%:: 2%	1/(5-16 day) [d]	1.92 km :: G	N/A :: Sfc
AM,PM Muller, Strahler, 1 3669* BM 5%:: 3% 1/day				MISR		Diner	2632	EM.	5%:: 2%	1/(5-16 day) [d]	240 m :: R	N/A :: Sfc
				MODIS	7	Muller, Stranier,	3669	BM	5% :: 3%	1/day	1 km :: Land/R	N/A :: Sfc

GSPC/Science Processing Support Office (SPSO)

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	IDS Input Data Product		EO	EOS Instrument	t Output Data Product	roduct	\mid	Accuracy	Temporal	Horizontal	Vertical
Investigator		Prod #	Instr.	Platforms	Investigator	Prod # Match	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
1	ce. Bi-directional, SW Br	2044						5%::2%		10 dg [Angle] :: G	NIA :: Sfc, Atmos
		1 _	CERES	TRM,AM,PM	Barkstrom	2045	ВМ	5%:: 1%		10 dg [Angle] :: G	N/A :: Sfc, Atmos
Wielichi	Land sfc Temperature, Skin	2479						1 K :: 05 K	41day [d.n]	1.25 dg :: Land	NIA :: Sfc
		1	AIRS	M	Chedin, Fleming.	2481	BM	1.0 K :: 0.5 K	2/day [d.n]	50 km :: Land	N/A :: Sfc
		1	MODIS	AM.PM	Wan	2485	AM	1-3C:: 1C	1/day, 1/wk	10 km :: Land	N/A :: Sfc
Wielicki	Level-1B Radiance, CERES	2358					ZMS	BIMT&TMS .: SMT&TM1&	6/day [d.n]	25 km :: R	NIA :: Atmos
		L	CERES	TRM,AM,PM	Barkstrom	2359	BM	SW 2%,LW 1%:: 0.005	6/day [d,n]	25 km :: G	N/A:: N/A
Wielichi	Level-1B Radiance, MODIS	2390					SANS	SWS#LW.IK :: SW2%LW.IA	21day [d.n]	0.25-1 km :: R	NIA :: Atmos
		·1	MODIS	AM,PM	Salomonson	2392	BM	5%(1x):: RMS <nedl< th=""><th>1/day</th><th>0.25 km :: G</th><th>N/A:: N/A</th></nedl<>	1/day	0.25 km :: G	N/A:: N/A
		<u> </u>	MODIS		Salomonson	2338	BM	5%(1x) :: RMS <nedl< th=""><th>1/day</th><th>0.5 km :: G</th><th>N/A :: N/A</th></nedl<>	1/day	0.5 km :: G	N/A :: N/A
		ı	MODIS	Γ	Salomonson	2339	BM	5%(1x):: RMS <nedl< td=""><td>1/day</td><td>1 km :: G</td><td>N/A:: N/A</td></nedl<>	1/day	1 km :: G	N/A:: N/A
		1	MODIS		Salomonson	2340	ВМ	1%(1x):: RMS <nedl< th=""><th>1/day</th><th>1 km :: G</th><th>N/A:: N/A</th></nedl<>	1/day	1 km :: G	N/A:: N/A
Wielich	Precinitation Amount	0367						50% :: 25%	41day [d.n]	25-50 km :: G	NIA :: Trop
			AIRS	PM	Susskind	1969	BM	2mm/day :: 1mm/day	2/day [d,n]	50 km :: G	N/A :: Trop
_		L	AIRS		Staelin	3694	₹	2mm/hr :: 1mm/hr	2/day [d,n]	50 km :: G	N/A :: Trop
			MIMR		TBD	3600	¥			22 km :: Global	N/A:: Sfc
10%	Dadisting Clar Discourse (W	03/5					355	10%cb/25%cld :: 5%cb/10%cl	6/day [d,n]	1.25 dg :: G	:: Almos
T LEWE AL	Authorities Comments of the Co	3	CERES	TRM AM PM	Barkstrom	2145	BM	10%:: 5%	[dp] (dp)	1.25 dg :: G	lyr :: Atmos
			CERES	TRMAMPM	Barkstrom	2149	BM	50% :: 10%	(day [d,n]	1.25 dg :: G	lyr :: Atmos
		ــــــــــــــــــــــــــــــــــــــ	CERES	TRM, AM, PM	Barkstrom	2146	Æ	10%:: 5%	1/(6 hr.)	1.25 x 1.25 dg :: G	lyr :: Atmos
Wielichi	Redictive Flor Diversence CW	2/22						10%cb/25%cld :: 5%cb/10%cl	3/day [d]	1.25 dg :: G	:: Atmos
	Without the Mark School Street		CERES	TRMAMPM	Barkstrom	2145	BM	10%:: 5%	6/day [d.n]	1.25 dg :: G	lyr :: Atmos
			CERES	TRM, AM, PM	Barkstrom	2149	BM	\$0% :: 10%	6/day [d,n]	1.25 dg :: G	lyr :: Atmos
			CERES	TRMAMPM	Barkstrom	2146	VW	10%:: 5%	1/(6 hr)	1.25 x 1.25 dg :: G	lyr:: Atmos
Wielich	Radiative Flux I.W. Down	2165						7 W/m/2 :: 2 W/m/2	(n,b) yabib	1.25 dg :: G	NIA :: Sfc
			CERES	TRM,AM,PM	Barkstrom	2169	BM	7 W/m^2 :: 2 W/m^2	6/day [d,n]	1.25 x 1.25 dg :: G	N/A :: Sfc
Wielich	Radiative Flux. L.W. Net	2175						7 W/m^2 :: 2 W/m^2	6/day [d.n]	1.25 dg :: G	NIA :: Sfc
			CERES	TRM,AM,PM	Barkstrom	0817	BM	7 W/m^2 :: 2 W/m^2	6/day [d,n]	1.25 x 1.25 dg :: G	N/A:: Sfc
			AIRS	M	Gautier	2176	ΨV	<15:: TBD	1/day	50 km :: Land	N/A:: Sfc
			AJRS	M	Gautier	2177*	AM	<10:: TBD	1/day	50 km :: Ocean	N/A :: Sfc
Wielich	Radiative Flux I.W. Up	218						5 W/m/2 :: 2 W/m/2	6/day [d.n]	1.25 dg :: G	NIA:: TOA
2000	A0 : 10 : 12 : 12 : 12 : 12 : 12 : 12 : 1	:	CERES	TRM,AM,PM	Barkstrom	2205	BM	5 W/m^2 :: 2 W/m^2	6/day [d,n]	25 km :: G	N/A:: TOA
Wielichi	Radiative Flux, LW, Up	2195						7 Wim'2 :: 2 Wim'2	6/day [d,n]	1.25 dg :: G	NIA :: S/c
			CERES	TRM,AM,PM	Barkstrom	2201	BM	7 W/m^2 :: <7 W/m^2	6/day [d,n]	1.25 x 1.25 dg :: G	N/A :: Sfc
Wielichi	Radiative Flux. SW. Down	2218						15 W/m/2 :: 2 W/m/2	31day [d]	1.25 dg :: G	NIA :: Sfc
			CERES	TRM,AM,PM		2221	BM	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A :: Sfc
-			CERES	TRM,AM,PM	Barkstrom	2223	VW	15 W/m^2 :: 2 W/m^2	1/(6 년)	1.25 x 1.25 dg :: G	N/A :: Sfc
Wielich	Radiative Flux, SW, Net	2226						15 W/m^2 :: 2 W/m^2	31dey [d]	1.25 dg :: G	NIA :: Sfc
			CERES	TRM,AM,PM	Barkstrom	22.29	BM	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 x 1.25 dg :: G	N/A :: Sfc
			CERES	TRM,AM,PM	Barkstrom	2231	AM	15 W/m^2 :: 2 W/m^2	1/(6 hr.)	1.25 x 1.25 dg :: G	N/A :: Sfc
			AIRS	PM	Gautier	2232	¥	<15:: <5	1/dsy	50 km :: Land	N/A:: Sfc
			AIRS	PM	Gautier	2233	ΑM	<10:: <\$	1/day	50 km :: Ocean	N/A :: Sfc
Wielich	Radiative Flux. SW. Up	12241						10 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	NIA :: TOA
			CERES	TRM,AM,PM	Barkstrom	2246	BM	12 W/m^2 :: 2 W/m^2	3/day [d]	1.25 x 1.25 dg :: G	N/A:: TOA
Wielichi	Radiative Flux SW. Up	2242						15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	NIA :: Sfc
			CERES	TRM, AM, PM Barkstrom	Barkstrom	2247	BM	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A:: Sfc
Wielichi	Sea Ice Cover	2919						10%::5%	Ilday	50 km :: Ocean/Cryo	NIA :: Sfc
			MIMR	PM	TBD	3611	ВМ			22 km :: Ocean/Cryo	N/A :: Sfc
			AIRS	¥	Chedin, Staclin	3151	ΑM	0.1 :: 0.1	2/day [d.n]	50 km :: Occan/Cryo	N/A:: Sfc
											63-1

Appendix L: IDS Input Requirements and Match Products by IDS Investigator

	1001											
	IDS Input Data Product		Ξ	S Instrument	EOS Instrument Output Data Product	Product		Accurace	Temporal	Horizontal	1/2-41-1	Г
Investigator	nvestigator Product Name	Prod #	Instr.	Platforme	ne Investigator Drod # Match	Drod #	Match			17110711011	v er uca	•
			†		magnes		MATRICE	ADS :: Kei	Kesolution	Resol :: Cover.	Resol :: Cover.	_
Wielicks	Sea_sfcTemperature (SST)	2521						1 K :: 0.5 K	1/wk	1.25 de Ocase	Mrs Cr.	7
			MODIS	AM,PM	Brown, Barton	2532	BM	0 1-04K 01-0 6K	1/den: 14.4 14.2	- 103	3/c 3/c	1
			MIMP	2	100	835	716	40.0 To 10.0 Co	1/0m/, 1/ww. 1/1110	SO KILL :: OCCUP	N/A :: Sfc	
			THE STATE OF THE S	T	Tan I	5005	Z Z			60 km :: Ocean	N/A :: Sfc	
		_1	MODIS		Вгочл	2528	¥	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G.R	N/A :: Sfe	Т
		1	MODIS	AM.PM	Brown, Barton	2531	Æ	0.3-0.6K :: 0.1-0.3K	1/day, 1/wk, 1/mo	20 km :: Ocean/G.R	N/A : Sf.	_
			AIRS	PM	Chedin, Fleming,	2523•	¥	0.5 - 1 K :: 0.4 - 0.5 K	2/day [d.n]	S0 km :: Ocean	30 :: V/N	Т
Wielichi	SROW COVER	3016						104 50.			315 :: 4/51	7
		_	MONE	1				20.00	Haay	30 cm :: Land	M/A :: 5/c	
		1	MODIS	AM, FM	Salomonson	3020	BM	<=5% :: <=5%	1/day, 1/wk	10 km :: Land	N/A :: SE	Т
		1	MIMR	PM	TBD	3607	BM			22 km : I and	N/A 65	T
			AIRS	M	Suelin	3018*	WY		2/4=:: [4=]	7 - 1 103	315 0/61	Т
Wielich	Temperature Profile	3031							they [um]	SO KM :: Land	N/A :: Stc	
		6						IK::IK	4/day [d.n]	1.25 dg :: G	I km :: Atmos	Г
			AIRS	PM	Chedin, Fleming,	1588	BM	1.0 K :: 0.4 K	2/day [d.n]	15 x 50 - 50 x 50 km - G	1 2 km :: Atmos	Т
Wielich	Topographic Elevation, Land Sc	2847	-					200 m · · 200 m	1/=-1/)	יייייייייייייייייייייייייייייייייייייי	┰
		_	MrcD			1			LONG THE STATE OF	I'U KM Land	N/A :: SJC	
			MUSA	Ξ	Sing	2846	_ X	100 H : 100 H	Mission	CO 20 : 1 22 d	200	Г

IDS Input Requirements Listed by Instrument

Appendix M

Science Processing Support Office (SPSO)

Goddard Space Flight Center

August 1992

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The "best" and "alternative" matches were selected by comparing the stated IDS requirements with the output product specificiations for these fields.

Appendix M: IDS Input Requirements Listed by Instrument

							•				
		Instrument Output Data Produ	Product		IDS Inp	IDS Input Regirements	ments	Accuracy	Temporal	Horizontal	Vertical
Instrument	Platforms	Product Name	TM	Prod #	Prod # Investigator	Prod #	Match	Abs :: Rel	Resolution	Resol. :: Cover.	Resol. :: Cover.
AIRSIAMSU	Md	Cloud Cover	Chahine, Smith	2002				0.05 :: 0.025	2/day [d.n.]	D:: wq spx sI	N/A :: Cloud
				Ċ	Barron	2049	BM	5::5	1/day	100 km :: G	N/A :: Cloud
				_	Bates	2072	BM	0.05 :: 0.025	2/day [d,n]	15 x 45 km :: G	N/A :: Cloud
				_	Hansen	202	BM	3%::	1/wk	500 km :: G	:: Cloud
AIRS/AMS	3V output pro	AIRS/AMSU output product #2062 has been id	en identified		Sellers	2059	BM		4/day	100 km ::	0.5 km :: Trop
by the SPS	O as a "best"	by the SPSO as a "best" or alternative match f	tch for these	_	Harris	3436	WΥ	5-10% :: 2-5%	2/day	5-50 km :: Ocean/R	
	IDS innut n	IDS input product requirements		Y	Liu	2055	ΑM			:: Ocean	N/A :: Cloud
	4		3		Murakami	2058	WΥ	:: % 01			N/A:: Cloud
				_	Las	2024	ΑM	5%:: 5%	2/day	50 km :: R	N/A :: Atmos
				_	Rothrock	9,02	ΑM	0.1 :: 0.1	1/day	100 km :: Polar	N/A :: Cloud
				_	Srokosz	0907	¥	5%:: 1%	2/day	10 km :: Occan [South Atlan]	N/A :: Cloud
				ラ	Wielicki	2061	ΑM	%Z :: %Z	[n,b] ysb/8	25-100 km :: G	N/A :: Atmos
						ľ	,				1
						\					
						\		•			
							_		Coverage k	evwords are	
					Match	Types			described i	described in Table A-3	
					are described in	ribed i	ء _		Acron	vms and	
					Tahi	Table A.4			abhrevi	abbreviations are	
						i			anolevi L::-:-	i Tellis	
					J		7		described	described in Lable A-1.	
									ا		

Legend for Appendix M: IDS Input Requirements Listed by Instrument

This table lists the anticipated output products from the EOS instruments that have been batched to IDS input product requirements

Appendix M: IDS Input Requirements and Match Products by Instrument

Proof 6 Investigator Proof 6 Match Type Ahis: Ref Resolution R.			Instrument Output Data Product	ta Product		naul SQI	t Regire	ments	Accileace	Termorel	Unitable	V 1
Mark Mark	Instrument	Platforn	ns Product Name			Investigator	* por	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Peol · Cover
PM World Speed, Soc. pt. Annearo 1718 Hisson 277 BM 0.00% 2 1.044	ACRIM	MO	Irradiance, Solar, Total		_				0.1% .: 0.0005%	11(2 min)	NIA :: NIA	N/A TOA
Mark Speed, So., gt. Atomoso 7758 Lisa PM China						Hamson	22.22	BM	0.05% ::	1/vk	Soo 14 :: G	- TOA
About 179 BM 1075.0549 1209 1000	AJRS	P.M.	Wind Speed, Sea_sft		.812					lider	SO km :: Ocean	N/A ·· CF
About 1707 BM 106:554 1107-249) 1107-249 BM 106:554 1107-249 1107-249 BM 106:554 1107-249 110					L	3	1739	BM	0.5 m/s :: 2%	2/day	D:: m3 001	N/A : Str
Total Continue					<u> </u>	Abbott	1708	BM	10% :: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	N/A Sfc
The Closed Transmittinity, Species Chabine, Chedie 1807 1					نــا	Abbott	1303	BM	10% :: 5%	1/(10-20 day)	25 km :: Ocean [Southern]	N/A :: Sfc
Reference 1500 AAM 1006.22 104000 10400 104000 104000 104000 104000 104000 104000 104000 104000 104000						Tapley	17.17	BM	1 ave ::	4/day	50 km :: Ocean	N/A :: Sfc
History 1643 AV4 1948; 349 1140						Rothrock	1669	AM-	2 m/s :: 2 m/s	1/day	100 km :: Polar	N/A :: Near sfc
Brown 1710 AM 112-104 11641-1644	_					Напэеп	1663	AM-	10% ::	1/wk	500 km :: Ocean	:: Sfe
Hintis 1455 AM 510,000,000 110,000,000						Brower	1710	VΜ	15%:: 5%	1/day, 1/seas	25 km :: Ocean	N/A :: Sfc
PM Cloud Foundation Specied 1001 173 AM 118.1 1 Light PM Cloud Foundation Specied 1001 1001 1001 Light 1001 Light 1001 Light PM Cloud Holge Top Challed, Chele, 123 1416 BM 0.3 Inn: 0.23 Inn 2009 [dat] PM Cloud Holge Top Challed, Chele, 123 1400 BM 0.3 Inn: 0.23 Inn 2009 [dat] PM Cloud Cover Line 1402 BM 0.0 Inn: 2.5 Inn 2009 [dat] PM Cloud Cover Challed, Chele, 123 Line AM 1.00 Inn: 2.5 Inn 2009 [dat] PM Cloud Cover Challed, Chele, 120 Line AM 0.0 Inn: 2.5 Inn 1.049 [dat] PM Cloud Cover Challed, Chele, 2002 Line AM 0.0 Inn: 2.5 Inn 1.049 [dat] PM Cloud Cover Challed, Chele, 2002 Line AM 0.0 Inn: 2.5 Inn 1.049 [dat] PM Cloud Cover Challed, Chele, 2002 BM 0.0 Inn: 2.5 Inn 1.049 [dat]					1	Harris	3435	WV	5-10% :: 2-10%	1-10 days	1-25 km :: Ocean/R	N/A :: Sfc
PM Closed Transmistricity, Special Chabine, 16627 Decisione 3966 BM Closed Transmistricity, Special Chabine, Chedin, 17227 Bases 1415 BM Closed Transmistricity, Special Line 1420 BM Closed Transmistricity Chedin, Chedin, 17227 Bases 1412 AM Closed Transmistricity Chedin, Chedin, 17227 Bases 1412 AM Closed Transmistricity Chedin, Chedin, 17227 Bases 1412 AM Closed Transmistricity Chedine, 27437 Bases 1412 AM Closed Transmistricity Chedine, 27437 AM Closed Transmistricity Chedine, 27437 Bases 1402 AM Closed Transmistricity Chedine, 27437 Bases 1403 AM Closed Transmistricity Chedine, 27437 Bases 1403 AM Closed Transmistricity Chedine, 27437 Bases 1403 AM Closed Transmistricity Chedine, 27437 AM Closed Transmistricity Chedine, 27437 Bases 24447 AM Closed Transmistricity Chedine, 27437 AM Closed Transmistricity Ched						Liu	1713	ΑM	1::1	1/day	25 km :: Ocean	N/A :: Sfc
PM Closed Piece Total Pi	AIRS	PM	Cloud Transmismin, Spectral		• 589.				TBD :: TBD	2/day [d,n]	15 x 45 km :: G	N/A :: Cloud
March Marc						Dickinson	33%	BM			<0.5-1 deg :: G	
Bacot 1416 BM 0.5 lm : 0.25 lm 2.04p (ful) BM 100 m : 0.24p 1.40p BM 1.00 1.40p	AJRS	F.	Cloud Heigh, Top		423*				0.5 km :: 0.25 km	2/day [d.n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
Weischi 140 BM 0.1 mm : 0.1 m 2449						Bates	1416	ВМ	0.5 km :: 0.25 km	2/day [d.n]	15 x 45 km :: 0	N/A :: Cloud
Bacon 1412 AM 100 m :: 2 Johy						Wielicki	1420	BM	0.1 km :: 0.1 km	2/day [d,n]	50 km :: R	0.1 km :: Atmos
Last 1412 BM 100 m; 25 m 1449y Decision 1349 AM 100 m; 25 m 1449y Decision 1349 AM 15 m; 2469y Mincheal 1418 AM 0.5; 0.3 2469y Bares 1466 AM 0.5; 0.3 2469y Bares 1468 AM 0.5; 0.3 2469y Bares 1469 AM 0.5; 0.0 1469y Bares 1469 AM 0.5; 0.0 1469y Bares 2004 BM 35; 35 1469y Bares 2004 BM 35; 35 1469y Haris 2004 BM 35; 35 1469y Haris 2005 AM 5:05; 35 2469y Haris 2009 BM 35; 35 1469y Bares 2009 BM 35; 35 1469y Bares 2009 AM 5:05; 35 1469y Haris 2009 AM 5:05; 35 1469y Haris 2009 AM 5:05; 35 1469y Bares 2009 AM 5:05; 35 1469y Haris 2009 AM 35; 35 1469y Haris 2009 2009					J	Batca	1401	ВМ	200 m ::	2/day	50 ten :: 0	N/A :: Cloud
Prince 349 AM 100 m = 2m 1449						ner)	1402	BM	100 m ::	2/day	SO ten :: G	N/A :: Atmos
Decimon 3349 AM						Berron	1412	WW	100 m :: 25 m	1/day	D:: m3 001	100 m :: Cloud
History AM AM AM AM AM AM AM A						Dickinson	3349	ΨV			<0.5-1 deg :: G	
Municipal 1418 AM 1 1 1 1 1 1 1 1 1						Harris	3437	Ψ¥	0.5:: 0.3	2/day	20-50 km :: Ocean/R	
Baca 1405 AM S0 m: 2day						Munkeni	1418	ΑM	1 km ::			:: Cloud
History P.M. Cloud Cover Chabites, Chedin, 2002 Earna 2049 BM Cim; 0.2km 1day						Batcs	1406	ΑM	.: wos	2/day	50 km :: G	N/A :: Cloud
Rothcock 1419 AM 0.02m; 0.02m 1449						Hensen	1399	¥	. m 05	1/wk	S00 km :: Q	:: Cloud
PM Claud Cover Chaline, Chedin, 2002 Emmi 2005 Emm 35 m; 5 m; 5 m; 1, day					Ц.,	Rothrock	1419	AM	0.2km :: 0.2km	1/day	100 km :: Poler	Cloud
Barron 2049 BM 5::5 1/day 1 Lau 2054 BM 5%::5% 2/day 1 Herris 2059 BM 3%::3% 2/day 1 Liu 2059 BM 3%::3% 2/day 1 Liu 2059 AM 5:10%::25% 2/day 1 Liu 2055 AM 5:10%::25% 2/day 1 Baces 2072 AM 5:10%::25% 2/day 1 Baces 2072 AM 5:6::: 1/day 1 Baces 2072 AM 5:6:: 1/day 1 Baces 2072 AM 5:8::3% 1/day 1 Baces 2060 AM 5:8::1% 2/day 1 Baces 246 BM 1 K::05 K 2/day 1 Baces<	AVRS	P.W	Cloud Cover						0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
Lian 2054 BM 58;:5% 2/day Hursen 2059 BM 58;:1 1/hK Soliens 2059 BM 5:10%:1.25% 2/day Hurlin 2055 AM 5:10%:1.25% 2/day Lin 2055 AM 5:10%:1.25% 2/day Lin 2055 AM 5:10%:1.25% 2/day Murlin 2056 AM 5:10%:1.25% 2/day Baca 2070 AM 5%:1.5% 2/day Baca 2070 AM 5%:1.5% 1/day Baca 2069 AM 5%:1.5% 2/day Baca 2069 AM 5%:1.5% 2/day Svokez 2060 AM 5%:1.5% 2/day Svokez 2060 AM 5%:1.5% 2/day Svokez 2060 AM 5%:1.5% 2/day Baca 2060 AM 5%:1.5% 2/day Huris 2060 BM 1.2 K:0.5 K 2/day Huris 2061 AM 5%:1.5% 2/day Huris 2061 AM 2061 2/day Huris 2061 AM 2061 2/day 2/day Huris 2061 AM 2061 2/day 2/day Huris 2061 AM 2061 2/day 2/day Huris 2062 AM 2062 2/day 2/day Huris 2062 AM 2062 2/day 2/day Huris 2062 2/day 2/day 2/day 2/day Huris 2062 2/day					L.		2049	BM	5::5	1/day	100 km :: G	N/A :: Cloud
Hanson 2052 BM 3\$5:: 1/brk						Lau	2054	BM	5%:: 5%	2/day	50 кп :: R	N/A :: Atmos
Selier 2059 BM 4/day Harris 3456 AM 5-10%::2-5% 2/day Harris 2055 AM 10%::					با	Hanson	202	BM	3%::	1/wk	500 km :: G	:: Cloud
Harris 3436 AM 5-1045-12-55, 24day Lia 2055 AM 1045-11 Simmel 2056 AM 5 545-11 Batca 2077 AM 5 545-11 Batca 2070 AM 5 545-11 Las 2070 AM 5 545-15 1/day Las 2070 AM 5 555-15 1/day Las 2070 AM 5 555-15 1/day Svolost 2070 AM 6 555-11 1/day Svolost 2060 AM 6 545-14 1/day Svolost 2060 AM 7 545-14 1/day Svolost 2060 AM 7 555-15 1/day Svolost 2060 AM 7 555-15 1/day Dicklinson 3367 BM					_1	Sellers	2059	BM		4/day	:: ma 001	0.5 km :: Trop
Lin 2055 AM 1046.: Murakani 2056 AM 5%:: Balca 2072 AM \$ 5%:: Balca 2072 AM \$ 0.05 :: 0.025 2/day (d.n.) Balca 2072 AM \$ 0.05 :: 0.025 2/day (d.n.) Balca 2070 AM \$ 5%:: 5% 1/day Las 2070 AM \$ 5%:: 5% 1/day Rothroct 2076 AM \$ 5%:: 5% 1/day Svokogs 2060 AM 5%:: 1% 2/day Wolckid 2061 AM 5%:: 2% 6/day (d.n.) Balca 2060 AM 5%:: 1% 2/day Wolckid 2061 AM 5%:: 1% 2/day Dickinson 3386 BM 1.2 K:: 0.5 I K 2/day 1/day Balca 2449 BM 1.2 K:: 0.5 I K 2/day 1/day Selber 2451 AM 5%:: 1 1/day Balca 2461 AM 5%:: 1 1/day Selber 2451 AM 5%:: 1 1/day Balca 2451 AM 5%:: 1						Herris	3436	ş	5-10%:: 2-5%	2/day	5-50 km :: Ocean/R	
Munukami 2058 AM 1078;::						Lii	2055	ş			:: Осени	N/A :: Cloud
Simard 2056 AM SS6:: Batca 2072 AM \$+ 0.05::0.025 2(day (da)) Batca 2070 AM \$+ 0.05::0.025 2(day (da)) Last 2070 AM \$+ 0.05::0.025 2(day (da)) Last 2070 AM \$+ 0.05::0.025 1(day) Rothreck 2070 AM \$+ 0.05::0.025 1(day) Stockers 2070 AM \$+ 0.05::0.02 1(day) Stockers 2070 AM \$+ 0.05::0.5 1(day) Stockers 2070 AM \$+ 0.05::0.5 1(day) Wielick 2061 AM \$+ 0.05::0.5 2(day (da)) Batca 2460 BM 1K::0.5K 2(day (da)) Dickinson 3387 BM 1.2K::0.5 K 2(day (da)) Dickinson 3387 BM 1.2K::0.5 K 2(day (da)) Seller 2451 AM 5%::0.5 1/day Seller 2451 AM 5%::0.5 1/day Batron 2451 AM 2::1 1/day Batron 2458 AM 2::1 1/day Seller 2458 AM 2458 AM 2458						1	8502	ş	10% ::			N/A :: Cloud
Batca 2072 AM \$ 0.05 :: 0.025 2/day [d.h.] Batca 2069 AM \$ 5% :: 5% 1/day Lau 2070 AM \$ 5% :: 5% 1/day Rottrock 2076 AM 5% :: 5% 1/day Stocker 2060 AM 5% :: 1% 2/day Wielbert 2061 AM 5% :: 1% 2/day Wielbert 2061 AM 5% :: 1% 2/day d.h. Dicklinson 3367 BM 17. K :: 0.5 K 2/day d.h. Dicklinson 3367 BM 1.2 K :: 0.5 1 K 2/day d.h. Selber 2459 BM 1.2 K :: 0.5 1 K 2/day d.h. Selber 2457 AM 5% :: 1 1/day Selber 2457 AM 5% :: 1 1/day Batron 2458 AM 2:: 1 1/day Batron 2458 A							9502	ş	5%::		:: Canada/R	N/A :: Cloud
Biston 2009 AM \$- Shi, Shi, Shi, Shi, Shi, Shi, Shi, Shi,					1	Batos	202	AM \$	0.05 :: 0.025	2/day [d,n]	15 x 45 km :: G	N/A :: Cloud
Last 2070 AM \$- 5%::5% 1/day						Batos	S	AM &		1/day	100 km :: G	0.5 km :: Trop
Rothrock 2076 AM 0.1::0.1 1/day					_1	3	8	AM &	5%:: 5%	1/day	100 km :: G	N/A ::
Stockost	-				_1_	Rothrock	80,8	¥	0.1::0.1	1/day	100 km :: Poier	N/A :: Cloud
PM Cloud Temperature, Top Chabine, Chedin, 2463 Wielicki 2060 RM 1 K :: 0.5 K 2/day [d.n] Bates 2460 BM 1 K :: 0.5 K 2/day [d.n] Dickinson 3387 BM 1 Z :: 0.5 I K 2/day [d.n] Harris 3449 BM 1,2 K :: 0.5 I K 2/day-1/day Sellers 2457 AM 5% :: 1 1/mk Hansen 2461 AM 5% :: 1 1/mk					L	Srokoez	88	¥	5%:: 1%	2/day	10 km :: Ocean (South Atlan)	N/A :: Cloud
PM Cloud Temperature, Top Chabine, Chedine, hedine, Chedine, Chedine, Chedine, Chedine, Chedine, Chedine,						Wielicki	19Q	ξ	5% :: 2%	6/day [d,n]	25-100 km :: O	N/A :: Atmos
2460 BM 1 K :: 0.5 K 2/day [d.n.] 3386 BM 1 C X :: 0.5 · 1 K 2/day · 1/day 3449 BM 1 - 2 X :: 0.5 · 1 K 2/day · 1/day 2451 AM 5% :: 1/wk 2458 AM 2 :: 1 1/day	NRS	P.W.	Cloud Temperature, Top		<u>3</u>				1 K :: 0.5 K	21day [d.n]	15 x 15 - 50 x 50 km :: G	N/A :: Cloud
3386 BM 1-2 K:: 0.5-1 K 2/dsy-1/day 3449 BM 1-2 K:: 0.5-1 K 2/dsy-1/day 2457 AM 5%:: 1/wk 2461 AM 5%:: 1/wk 2458 AM 2::1 1/dsy						\dashv	2460	BM	1K::05K	2/day [d,n]	15 x 45 km :: 0	N/A :: Cloud
3387 BM 1-2 K :: 0.5-1 K 2/day-1/day 2457 AM 5% :: 1/wk 2461 AM 5% :: 1/wk 2458 AM 2::1 1/day						Dickinson	3386	BM			<0.5-1 dog :: 0	
3449 BM 1-2 K :: 0.5-1 K 2/day-1/day 2457 AM 5%:: 1/wk 2461 AM 5%:: 1/wk 2458 AM 2::1 1/day						Dickinson	3387	BM			<0.5-1 deg ∷ O	
2457 AM S5.:: 1/wk 2461 AM 5.5.: 1/wk 2458 AM 2::1 1/day					l	1	3449	BM	1-2 K :: 0.5-1 K	2/day-1/day	\$-50 km :: Ocean/R	
2451 AM 55.: 1/wt 2458 AM 2::1 1/day						1	2457	AM.				
2458 AM 2::1 1/day					_	+	2461	ΨV	5%::	1/wk	500 km :: G	:: Cloud
					-	1	2458	VW	2::1	1/day	100 km :: G	N/A :: Cloud

Appendix M: IDS Input Requirements and Match Products by Instrument

			Lagran		IDS Inout Regirements			Accuracy			
Instrument	Platforms	Instrument Platforms Product Name TM		Prod #	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
AIRS	MA	Cloud Emissivity, IR Spectral (3-14um)	Chahine, Smith	2128*				0.05 :: 0.025	2/day [d,n]	15 x 15 - 15 x 45 km :: G	N/A :: Cloud
		•			Dickinson	3372	BM			<0.5-1 dog :: G	
					3	2546	BM			O:	N/A :: Cloud
					Moore	2360	¥	10% :: 10%	1/wk	1 km :: G	:: Cloud
AJRS	PM	Land afe Emissivity, Spectral	Chedin, Floming.	2113				0.05 :: 0.025	2/day [d,n]	15 x 15 - 50 x 50 bm :: Land	NIA :: SJE
			•		Bates	2121	B		1/day	10 km :: Poler	N/A :: Sfc
					Batca	2112	BM	520.0 :: 50.0	2/day [d,n]	50 hm :: Land	N/A :: Sfc
					Cible	3487	BM	0.025 :: 0.025	10 day	1.25 deg :: Canada/R	N/A :: Sfc
					Wielichi	2120	BM	0.025 :: 0.025	2/day [d,n]	1.25 dg :: Land	N/A :: Sfc
AIRS	H.d	Land aft Temperature, Skin	Chedin, Fleming,	2481				10K::05K	2/day [d,n]	50 km :: Land	NIA :: Sfe
			•		Simend	3313	BM	13:107	2/day	10 km :: R/Canada	N/A :: Sfc
					Harris	3450	BM	05::02	2/day	20-50 km :: Ocean/R	
					Bates	2475	BM	1.0 K :: 0.5 K	2/day [d.n]	50 km :: Land	N/A :: Sfc
					Dickinson	3390	BM			Low_res :: Land	
					Barros	3052	W	1 K ::	1/wk	100 km :: Land/Cryo	N/A :: Sfc
					Hansen	747	BM	0.2 C ::	1/wk	500 km :: Land	:: Sfc
					Wielichi	24.79	BM	1 K :: 0.5 K	4/day [d,n]	1.25 dg :: Land	N/A :: Sfe
					Richey, Batista	24.76	ΨV		1/day	:: Land/R	N/A :: Sfe
					Hanson	1629	WV	02C::	1/wk	S00 km :: Land	:: Sfe
					Dickinson	3388	WV		-	<0.5-1 dog :: Land/Cryo	
					Kerr, Servoshim	2456	M	0.5 K :: 0.5 K	2/day [d,n]	500 m :: Land/R	:: Sfe
					Dickinson	3334	AM-			<0.5-1 deg :: G	
NRS	Md	Sea sft Temperature (SST), Skin	Chedin, Fleming,	2523*				05-1K::04-05K	21day [d.n]	50 km :: Ocean	NIA :: Sfc
		•			Batos	2509	BM	0.5 K :: 0.4 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc
					Lau.	2514	BM	0.5 K ::	1/wk	100 km :: Ocean	N/A :: Sfc
					Abbott	2505	BM	1 K :: 0.1 K	(1-2)/day	50 km :: Ocean [Southern]	N/A :: Sfc
					Ватов	2506	BM	0.5 K ::	1/day	100 km :: Ocean	N/A :: Sfc
					3	2516	BM	0.5 K ::	1/day	50 km :: R	N/A :: Sfc
					Munkani	2518	AM	0.2 K ::		D::	N/A :: Sfc
					Lau	2515	AM	0.2 K :: 0.2 K	1/wk	200 km :: Ocean	N/A:: Sfc
					Hanson	1630	AM	0.2 C ::	1/wk	500 lcm :: Ocean	:: Sfc
					Dickinson	3392	ΨV			<0.5-1 deg :: Ocean	
					Rothrock	2519	MΛ	1K::1K	1/(2 day)	30 km :: G	N/A :: Sfc
					Hansen	2512	Ϋ́	0.2 C ::	1/wk	500 km :: Ocean	:: Sfe
					Wielicki	2521	M	1 K :: 0.5 K	1/wk	1.25 dg :: Ocean	N/A :: Sfc
					Abbott	202	MA	0.5 K :: 0.05 K	(1-2)/day	1-4 km :: Ocean [Southern]	N/A :: Sfe
					Bates	2508	ΨV	0.3-0.6 K :: 0.1-0.3 K	1/day, 1/wk, 1/mo	20 km :: Ocean/G.R	N/A :: Sfc
					Brower	1122	WV	0.5 K :: 0.5 K	1/day, 1/seas	20 km :: Ocean	N/A :: Sfc
AIRS	MA	Land of Temperature-Difference, Day-Night Chedin, Fleming,	ight Chedin, Fleming,	2539*				0.5 K :: 0.25 K	2/day [d.n]	50 km :: G	NIA :: SJE
		ı			Batos	2538	BM	0.5 K :: 0.25 K	1/day	50 km :: Land	N/A :: Sfc
					Dickinson	3395	BM			<0.5-1 dog :: G	
AJRS	PM	Temperature Profile	Chedin, Fleming.	1588				1.0 K :: 0.4 K	2/day [d.n]	15 x 50 · 50 x 50 km :: G	1,2 km :: Atmos
					Abbott	1563	BM	10%::5%	1/(1-2 day)	25 km :: Ocean [Southern]	1 bran :: Trop
					Barron	1564	BM	1 K :: 0.5 K	1/day	100 tm :: G	1 km :: Trop
					Batos	1571	BM	1.0 K :: 0.4 K	2/day [d,n]	50 km :: G	1 km :: Atmos
					Dickinson	3333	BM			<0.5-1 deg :: G	
					Harris	3428	BM	1::0.5	2/day	10-50 km :: Ocean/R	1 km :: Atmos
					Insula	7676	MQ	1.04	1.4.1		

Appendix M: IDS Input Requirements and Match Products by Instrument

Unstrument Platforms Product Name TM AMS PM Temperature Profile Chedin, Fleming, AMS PM Humidity Profile Chedin, Fleming,	1580	Investigator P	Σ		Resolution	Resol :: Cover.	Resol :: Cover.
PM Temperature Profile	1589	сет, Sorooshian	1577 BM				100000000000000000000000000000000000000
PM Hunidity Profile			L		2/day	50 km :: Land	1 km : Atmost
PM Humidity Profile	<u></u>	Les.	IS /8 BM	1 K ::	1/day	100 km :: 0	l lon :: Trop
PM Humidity Profile		Н	1580 BM	1%:			
PM Humidity Profile		Н		The state of the s		<0.5-1 dog :: Q	
PM Humidity Profile			1632 BM	10%:: 1%	[multiple]	[multiple] :: 6 sites/L	N/A :: Sfc
PM Humidity Profile		Berron		05::	1/day	100 km :: Ocean	N/A :: Sfc
PM Humidity Profile	1			03C::		S00 len :: Q	:: Troo
PM Humidity Profile			Ц	0.2 C ::	1/wk	500 km :: Land	JS::
PM Humidity Profile	1	_		0.2 C ::	1/wk	500 km :: Ocean	:: Sfe
PM Humidity Profile		\dashv		2K::2K	1/day	100 km :: Poler	N/A:: Near sfc
PM Humidity Profile		Schoeberi	1582 BM	2K::1K	1/day	2x2dg:: G	2 km :: Atmos
PM Hunidisy Profile		Wielicki	1585 BM	1K::1K	4/day [d,n]	1.25 dg :: Q	1 km :: Atmos
PM Humidisy Profile		Barron	1565 BM	1K::0.5K	1/day	10 km :: R	1 km :: Troo
PM Humidity Profile		Hartmann	1575 BM	1::1	1/day	10 km :: Ocean	1 km :: 0-15 km
PM Humidity Profile		Ľį	1579 BM	0.5::0.5	1/day	25 km :: Ocean	0.5 km :: Tran
PM Humidity Profile	<u></u> 1	Srokosz	L	1K::0.1K	2/day	10 km :: Ocean [South Atlan]	don :: ma (-)
PM Humidity Profile	i	Pyle	1581 BM	2K::0.5 K	2/day	15 x 4 km :: G	2 km :: Strat
PM Humidity Profile	i		1568 BM	05:	1/dav	10 km :: Ocean/R	N/A S.c.
PM Humidity Profile	_	Kerr, Sorooshian	1631 BM	1K::1K	2/day [d,n]	500 m :: Lend/R	N/A :: Sfc
PM Humidity Profile		_	1583 BM	1.K.:	4/day	: #1001	0.5 km :: Ton
PM Humidity Profile		Harasen	1573 AM	03C::	1/wk	S00 km :: G	Strat
PM Humidisy Profile	- 1	Bates	1569 AM \$-	:: 1-2 K		1.8 x .16 dg :: G	3 km :: 20-60 km
	sming, 1828			10% :: 5%	21day [d.n]	15 x 50 - 50 x 50 km :: G	2 km :: Atmos
	1		1807 BM	10% :: 5%	1/day	100 km :: Q	:: Trop
				10% :: 5%	2/day [d,n]	50 km :: G	2 km :: Atmos
	. 1					<0.5-1 deg :: G	
		\dashv	_	10% :: 0.05	1/wk	50 km :: Land/R	2 lcm :: Trop
		-	_	10% ::			
	1	+				<0.5-1 deg :: G	N/A :: Near_sfc
	1		_	10% :: 5% (0.05s	1/day	2x3dg::G	1.5 km :: 0-Strat
	1	+	_	3%::	1/wk	500 fcm :: G	:: Trop
			1820 BM		1/day	100 km :: Poler	:: Near_sfc
		+		10%:	4/day	100 km ::	0.5 km :: Trop
		+	-	20% :: 10%	4/day [d,n]	1.25 dg :: G	2 km :: Atmos
	ı	\dagger	1	10% :: 5%	1/day	10 km :: R	:: Trop
	_ 1 _	_	\downarrow	0.3g/kg :: 0.1g/kg	2/day	10 km :: Ocean [South Atlan]	
	1	\dagger	1	10% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
	L	2	\downarrow	10% :: 10%	1/day	10 km :: G	1 km :: 0-15 km
	1	\dagger	1	0.5 :: 0.5	1/day	25 km :: Ocean	0.5 km :: Trop
		+	4	10%:: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	l bean:: Trop
				10% :: 5%	2/day	10-50 km :: Ocean/R	1 km :: Atmos
	¥I		_	10% :: 10%	2/day	50 km :: Land	1 km :: Atmos
	1	+	4	5%:	4/day	50 km :: G	1 km :: Atmos
	1		_	3%:	1/wk	500 km :: G	:: Atmos
		Grosse	1811 AM	15% :: 5%	2/dny	30 x 4 dg :: G	3 km :: Trop/meso
AJKS PM Precipitable Water Chedin, Fleming,	ming, 1869			5% :: 3%	21day [d,n]	50 km :: G	N/A :: Trop
	i		_	3%::1%	1/day	100 km :: Q	Column :: Trop
		Bates	1862 BM	5%::3%	2/day [d.n.]	S0 km :: G	N/A :: Trop

Appendix M: IDS Input Requirements and Match Products by Instrument

Proof Investigator Proof Match Type Abs :: Rej Resolution Resolution State Abs Bad State		Instrument Output Data Product	Product		IDS Input Regirements	t Regire	ments	Accuracy	Temporal	Horizontal	Vertical	
Mary Part Mary	Instrumen	t Platforms	Product Name		# Po	Investigator	Yrod # N	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
High State Hig	AVRS	PM	Precipitable Water	Chedin, Fleming,	1869	Dickinson	3355	ВМ			<0.5-1 dog :: 0	
Resp. Resp						Harris	3440	BM	5%::3%	2/day	20-50 km :: Ocean/R	
Notesting 1807 1804 2004; 1504 1					لتي	Kerr, Sorooshian	1865	BM	10% :: 10%	2/day	50 km :: Land	Column :: Atmos
Richory Randor 1440 1844 1845 1849						Murskami	1867	ВМ	20%::			
Hansey 1444 184					اب	Richey, Batista	1810	ВМ	5%:: 5%	1/day	:: R	:: Тгор
156 Aboot 1515 Aboot 1515 Abot					ا	Hansen	1864	BM	3%:	1/wk	500 km :: G	Column :: Strat
This 186						Abbott	1858	WV	10%:: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	Column :: Trop
No. Chiefe, No. No					 ,	Liu	1866	MA	\$0::50	1/day	25 km :: Ocean	Column :: Trop
Part Color Charles					_	Srokosz	1868	W	1kg/m^2 :: 0.1kg/m^2	2/day	10 km :: Ocean [South Atlan]	N/A :: Atmos
Modeline 1311 14 14 14 14 14 14	A/RS	PM	O3 Total Burden	Chedin, Revercon	1332•			_	5-15% :: 3-10%	21day [d,n]	50 km :: G	Column :: Atmos
Factor F						Moore	1309	BM	25%:: 10%	1/day	100 km :: G	:: Atmos
Marche March Mar						Munkami	1331	Æ	5-10%:: 2-10%			
Part					_	Kerr, Sorooshism	1308	W	5%:: 5%	1/day	25 km :: G	Column :: Atmos
Simeriar 314 BM Storm Control Cont	AJRS	NA.	Sea Ice Cover	1					F0:: F0	21day [d.n]	50 km :: Ocean/Cryo	NIA :: Sfe
Separate 315 BM Gibna		1		•	Batos	3148	BM	10%:: 10%	2/day [d.n]	50 km :: Ocean/Cryo	N/A :: Sfc	
Reduced 1100						Simand	3183	BM			:: Canada/R	N/A :: Sfc
Hissay 1150 PM 1845; 1144 250 m. 1004.070 100 m. 100						Rothrock	3103	BM	0.5 km :: 0.5 km	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
Robinotin 1978 Robinotin 2318 RM 0.051-0.00 1074-0.00 22 km						Hanson	3150	BM	3%::	1/wk	500 km :: Ocean/Cryo	:: Sfc
Weideling PM Radiative Flat, LW, Not Geatify 2170 Barrens 1815 AM 100m; 35 1489 1489 100m; CoeunGCypo						Rothrock	3188	BM	0.03 :: 0.03	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
PM Redigne Flu, LW, Not Contin 2177 Baron					Wielichi	2919	AM	10%:: 5%	1/day	50 km :: Ocean/Cryo	N/A :: Sfc	
PM Radiative Flux, LW, Met Casaife 21775 BM Color: TEAD 11647 510 km; Land Color: Casaife 21775 BM Color: Casaife 21775 BM Color: Casaife 21775 Color: Casaife 21774 Color: Casaife 21775 Color: Casaife 21774 Color: Casaife 2						Barron	3168	W	5%::5%	1/day	10 km :: Ocean/Cryo	N/A :: Sfc
Base 2173 BM 244; Gal Som : Land AIRS	PM	Radiative Flux, LW, Net	Gautier	2176*				<15 :: TBD	Hday	50 km :: Land	NIA :: Sfc	
Dictions 1376 AM 1845 AM 1494 100 lm : 0 1494 14						Bates	2173	BM		2/day [d.n]	50 km :: Land	N/A ::
Municipal 2183 AM 2%:: 1 Iday 100 lbm:: G 1569 Iday 1669 Iday 16						Dickinson	3376	Vγ			<0.5-1 deg :: G	N/A :: Sfc 7
Barroa 2185 AAM 1004/m² 2: 1049 1000 hm :: 0						Munkemi	2183	VW	2%::			N/A :: Atmos
Lia 2154 AM 10Mm/2::10% 1494 500 hm::0						Barron	2185	МΑ	10:: 5	1/day	100 km :: G	N/A :: Sfc
PM Radiative Flux, LW, Net Castlick 2177 AM 7 Wm/2:: 2 Wm/2: 2 Wm/2 66de/16.01 1.25 dg:: G PM Radiative Flux, LW, Net Castlice 2177 Herrins 2178 BM 5%:: 2% 1/dsy 20-50 km:: Ocean 2 Harman 218 BM 5%:: 2% 1/dsy 50 km:: Ocean 2 20-50 km:: Ocean 2 2 20-50 km:: Ocean 2 3 2 3						Lau	2154	WV	10W/m^2 :: 10%	1/day	500 km :: G	N/A :: Sfc
PM Redictive Flux, LW, Not Causing 2177* Herrins 2443 SS #:: 2% 1/dsy 2/0 km:: Ocean A Decision Herrins 2184 BM 5%:: 2% 2/dsy [d.n] 5/0 km:: Ocean 2/0 km:: Ocean Bares 2174 BM 5%:: 2% 1/dsy 5/0 km:: Ocean 2/0 km:: Ocean Barrin 2174 BM 2/6:: 2% 1/dsy 5/0 km:: Ocean 3/0 km:: Ocean Barrin 2126 AM 2/6:: 3 1/dsy 5/0 km:: Ocean 3/0 km:: Ocean PM Revision 2154 AM 1/0 km²: C 1/dsy 5/0 km:: Ocean PM Revision 2154 AM 1/0 km²: C 1/dsy 5/0 km:: Ocean PM Redictive Flux, SW, Not Gasaline 2124 AM 1/0 km²: C 1/dsy 5/0 km:: C PM Redictive Flux, SW, Not Gasaline 2223 AM 1/0 km²: C 1/dsy 1/0 km²: C PM Redictive Flux, SW, Not Gasaline 2223						Wielicki	21.75	WΥ	7 W/m^2 :: 2 W/m^2	(u,b) y±b/8	1.25 dg :: G	N/A :: Sfc
Harris 343 BM 5% :: 2% 2049 20-50 hm :: Ocean Burnam 128 BM 5% :: 2% 1/49y 20-50 hm :: Ocean Burnam 128 BM 5% :: 2% 1/49y 20-50 hm :: Ocean Colom :: Ocean Burnam 128 AM 2% :: 2% 1/49y 30 hm :: Ocean Colom :: O	AJRS	PM	Radiative Flux, LW, Net	Gautier	2177*		-		<10 :: TBD	11day	50 km :: Ocean	NIA :: SJE
Hetrination 1188 BM 5%:2% 1/dsy C00 hm: Ocean						Harris	3443	ВМ	5%:: 2%	2/day	20-50 km :: Ocean/R	
Baces 2174 BM 2/day [d.h] 50 hm:: Ocean Dictinson 2256 AM 1/day, 1/eas :: Ocean Co.5-1 dag:: O Murakani 2135 AM 10:: 5 1/day 10:: 5 1/day Co.5-1 dag:: O Murakani 2135 AM 10:: 5 1/day 50 hm:: O Co.5-1 dag:: O						Hartmann	2188	BM	5%:: 2%	1/day	<30 km :: Ocean	N/A :: Sfc
Dickitisco 2376						Bates	2174	ВМ		2/day [d,n]	50 km :: Ocean	N/A ::
Diciting						Brewer	2256	ΨV		1/day, 1/seas	:: Ocean	
Murakemi 2183						Dickinson	3376	¥			<0.5-1 deg :: G	N/A :: Sfc 7
Barros 2185 AM 10W/m ² 2: 10% 1/day 500 km: G						Murakami	2183	¥	2%::			N/A :: Atmos
Lau 2154 AM 10W/mr2::10% 1/day 500 km::0						Вагтов	2185	¥	10::5	1/day	100 km :: G	N/A :: Sfc
PM Radiative Flux, SW, Net Country 2232* AM AM 7 W/mx/2 :: 2 W/mx/2 :: 2 W/mx/2 :: 2 W/mx/2 :: 2 W/mx/2 :: 3 W/mx/2 :: 2 W/mx/2 :: 3 W/mx/						1	2154	¥	10W/m^2 :: 10%	1/day	500 km :: Q	N/A :: Sfc
PM Radiative Flux, SW, Net Causive 2232* AM 10W/m*/2::1W/						Wielichi	21.75	M	7 W/m^2 :: 2 W/m^2	6/day [d,n]	1.25 dg :: O	N/A :: Sfe
Pill Radiative Flux, SW, Net Counter 2232* Harmann 2214 BM 0.5% :: 0.5% 1/day 50 km :: Land Dkm :: Land 20 km :: Colum :: G 20 km :: G 2234 AM 10 km :: S 1/day 100 km :: G <	_					Srokoez	2385	VΨ	10W/m^2 :: 1W/m^2	2/day	10 km :: Ocean [South Atlan]	
Hertmann 2214 BM 0.5% :: 0.5% 1/day 20 km :: G Dictination 2234 AM 2.% :: C 1/day 20 km :: G Murakami 2234 AM 2.% :: C 1/day 100 km :: G Barron 2237 AM 10 :: 5 1/day 500 km :: G Unu 2215 AM 15 W/m² 2 :: 10% 1/day 500 km :: G Wielicki 2226 AM 15 W/m² 2 :: 2 W/m² 3/day G) 1.25 dg :: G Wielicki 2226 AM 5% :: 2 % 1/day 500 km :: Gcean Wielicki 2226 AM 5% :: 2 % 2/day 20-50 km :: Ocean	NRS	MA	Radiative Flux, SW, Net	Gautier	2232					l/day	50 km :: Land	NIA :: Sfe
Dictination 3379 AM 2%::: CO.5-1 dog:: G Murale anii 2234 AM 10::5 1/day 100 km :: G Barron 2237 AM 10::5 1/day 500 km :: G Lau 2215 AM 15 W/m²2 :: 10% 1/day 500 km :: G Wielcki 2226 AM 15 W/m²2 :: 2 W/m²2 3/day [d] 1.25 dg :: G PM Radiative Flat, SW, Net Gounier 2223* Harris 344 5% :: 2% 2/day 20-50 km :: Ocean R						Hartmann	2214	BM	0.5% :: 0.5%	1/day	20 km :: G	N/A :: Sfc
Mumblemia 2237 AM 2%:: 1/day 100 km :: G Bearon 2237 AM 10:: \$ 1/day 500 km :: G 100 km :: G Lau 2215 AM 15 W/m²2 :: 10% 1/day 500 km :: G Wielcki 2226 AM 15 W/m²2 :: 10 /m²2 3/day [d] 1.25 dg :: G PM Radiative Flax, SW, Net Gounier 2233* Harris 343 BM 5% :: 2% 2/day 20-50 km :: Ocean /R						Dickinson	33.79	MΛ			<0.5-1 deg :: G	N/A :: Sfc
Barroa 2237 AM 10.:.5 1/day 100 km :: G Lau 2215 AM 10W km 2 ::. 1 W 10% km :: G 1/day 500 km :: G Wielicki 2226 AM 15 W km 2 ::. 2 W km 2 ::.						Murakami	2234	WV	2%::			N/A :: Atmos
Lau 2215 AM 10Whm^2:: 10% 1/day 500 km :: 0 Colum :: 0 C						Barron	2237	WV	10:: 5	1/day	100 km :: G	N/A :: Sfc
PM Radiative Flax, SW, Net Coautier 2233* AM 15 Wm²2 :: 2 Wm²2 3/day [d] 1.25 dg :: G PM Radiative Flax, SW, Net Coautier 2233* Autic 443 BM 5%:: 2% 2/day 20-50 km :: Ocean/R 20-50 km :: Ocean/R						Leu	2215	WV	10W/m^2 :: 10%	1/day	500 km :: O	N/A :: Sfc
PM Radiative Flax, SW, Net Gautier 2233* Autoria						Wielicki	2226	WΥ	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A :: Sfc
3443 BM 5%:: 2% 2/day	AJRS	PM	Radiative Flux, SW, Net	Gautie	2233*				<10 :: <5	11day	50 km :: Ocean	N/A :: Sfc
						Harris	3443	ВМ	5% :: 2%	2/day	20-50 km :: Ocean/R	

Appendix M: IDS Input Requirements and Match Products by Instrument

		מושת חושוות מחלות חושוות הפוד		_	udul SUI	LUS Input Keqirements	_	Accuract	Temporal	Horizontal	Verticel
strument	Platforms	Instrument Platforms Product Name	TM Pro	Prod #	Investigator Prod # Match Type	rod # Match	Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
AIRS	P.W.	Radiative Flux, SW, Net	Gautier 223	1 1	Hartmann	2214 BM	H	0.5% :: 0.5%	1/day	D: mq 02	N/A :: Sfc
						2400 BM		10W/m^2 :: 1W/m^2	2/day	10 km :: Ocean [South Atlan]	
					\dashv	1492 AM			1/day, 1/seas	:: Ocean	
				1	-	1493 AM			1/day, 1/seas	:: Ocean/L	
						3379 A.M				<0.5-1 deg :: G	N/A :: Sfc
					-			10:: 5	1/day	100 fm :: Q	N/A :: Sfc
					\dashv			10W/m^2 :: 10%	1/day	500 km :: Q	N/A :: Sfc
				1	Wielicki	2226 A.M	_	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A :: Sfc
AVRS	F.	Albedo, Land sfc	Gautier ?? 2000*	<u>.</u> 1			*******		1/day	50 km :: Land	N/A .: Sfe
					Bates	1995 BM	_		1/day	SO bran: Lend	N/A Sfe
						_				<05-1 des :: G	300 :: 8767
					-	L	_	2%::		:: Cenada/R	N/A :: Sfc
				<u></u>		2024 BM		.: 20'0	1/wk	500 km :: Land	Sfe
				<u> </u>	\vdash	1999 BM		1%:: 10%	1/(5 day)	100 km :: Land	
				<u> </u>				1%::0.5%	1 Aday	20 mg	: 4/N
					Barron	2013 AM		1%::1%	1 Auk	D: H101	N/A CC.
AJRS	PM	Radiative Flux, LW Spectral	Gaune ??, Susst 220	200				<10 - TBD :: <5 - TBD	2/day 1d nl	So tra Lond	MA CE
				1	Barron	2185 AM		20	1.000	0::10	7/4 Of
AJRS	PM	Radiative Flux, LW Spectral	Gautier 17, Susst 2210*	•01				c10 - TBD - <5 - TBD	2/dex 14 ml	2: 10:	N/A :: SE
				1	Barron	2185 AM	-	201	1./dev	100 1-1-1	3/5 5/K
AJRS	PM	CO Total Burden	Revercomb, Stron 1136	.92				10-20::6-15	2/day 1d ml	50-2504 E.G	N/A :: Sic
					Hensen	1075 AM		0.10%	1 Auk	Sm two water	Commun. Almos
				1	+				1/wk	Soo km : O	dout ::
				1	┝	1117 AM		0.10% ::	1/wk	. may 005	Trop
				1	 	L	-	25% :: 10%	1/day	100 km :: Q	Trans
AIRS	PM	N2O Total Burden	Reversions, Stron 1249*	•60	-	_		20 - 40 :: 15 - 30	2/day [d,n]	Zonal ave :: G	Column :: Atmos
				Ч	Hansen	1230 AM-	,		1/vk	500 km :: G	:: Trop
AJRS	P.W.	Cloud Lig_water Content	Rosentrara 1908*	: *8				1.0 :: 1.0	2/day [d,n]	50 km :: G	N/A :: Cloud
						1902 BM		0.1 :: 0.05	1/day	100 km :: G	1 km :: Cloud
					_			0.1:: 0.1	2/day [d,n]	D:: m3 05	N/A :: Cloud
					\dashv					<0.5-1 deg :: G	
								20%:: 10%	2/day [d,n]	12-25 km :: G	N/A :: Atmos
					+						
								50% :: 10%	6/day [d,n]	25-100 lcm :: G	N/A :: Atmos
				İ			-	10%:: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	Column:: Trop
				\dashv	Les.	1920 AM	-	0.05 :: 0.05	1/day	100 km :: G	N/A :: Trop
VIKS	W.	Stratopause Height	Smith 1562*	<u>ः</u>				1 km :: 0.5 km	21day [d,n]	50 x 50 km :: G	NIA :: Mid-asmos
100				+	Batcs	1561 BM		1 km :: 0.5 km	2/day [d.n]	50 km :: G	N/A :: Mid-atmos
	Ę	CIONA OPIICAL I NICENSIS	Smith, Gautier 77 3684	<u>.</u>	1			78D :: TBD	l/day	15 x 15 - 15 x 45 km :: G	N/A :: Cloud
			- 1	1	Dickinson	3382 AM	+			<0.5-1 deg :: G	
VIKS	r.	I ropopause Height	Smith, Susskind 3688*	<u> </u>				1 km :: 0.5 km	2/day [d.n]	50 x 50 km :: G	N/A :: Atmos
				-	Bates	1642 AM		75 m ::		200 lbm :: Q	75 m :: Trop
AVKS	r.	Cloud Ice Index	Staelin 1893*	҈1 \$				TBD :: TBD	2/day [d,n]	50 km :: G	N/A :: Cloud
									2/day [d,n]	50 km :: G	N/A :: Cloud
					1	_		0.02 :: 0.02	1/day	10 km :: G	
				1	Hartmann	1785 BM		0.02 :: 0.02	1/day	10 km :: Ocean	N/A :: Cloud
AIRS	M.	Ice_Sheet Cover Index	Staelin 2921*	ા *					21day [d.n]	50 km :: Land/Cryo	N/A :: Sfc
				_	Batca	2918 BM			2/day [d n]		Mit Cf.

Appendix M: IDS Input Requirements and Match Products by Instrument

L		Instrument Output Data Product			IDS Input Regirements	ıt Requ	rements	Accuracy	Temporal	Horizontal	Vertical
Instrument	Platforms	Instrument Platforms Product Name		Prod #	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
AJRS	MA	Snow Cover Index [combined with 2921]	Staelin 30						21day (d.n)	50 km :: Land	NIA :: SÆ
					Bates	3006	ВМ		2/day [d,n]	50 km :: Land	N/A :: Sfc
					Dickinson	3415	ВМ			Low_res :: Land	
					Sellors	3015	ВМ		1/(1-4 day)	100 km ::	:: Ste
					Hansen	3009	ВМ	0.02 ::	1/wk	500 km :: Land	:: Stc
					Munakemi	3014	ΜV	10% ::		:: Land	N/A:: Sfc
					Wielicki	3016	WΥ	10% :: 5%	1/day	50 km :: Land	N/A :: Sfc
				L	Sellers	1984	AM-\$-				
				L	Barron	3003	WV	5%:: 5%	1/day	100 km :: Land	N/A :: Sfc
					Batcs	3007	W	<=5% :: <=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc
AJRS	PM	Precipitation Index	Susskind 18	*6961				2mm/day :: Imm/day	21day [d.n]	50 km :: G	N/A :: Trop
				1	Batca	1968	BM	2mm/hr :: 1mm/hr	2/day [d,n]	50 km :: 0	N/A :: Trop
					Batca	1970	BM		1/day	26-52 km :: Land	N/A :: Sfc
					Brewer	1928	BM	2:: TBD	1/day, 1/scas	:: Ocean/L	N/A :: Sfc
					Brewer	1929	M	2 :: TBD	1/day, 1/seas	:: Ocean	N/A :: Sfc
					Hansen	1930	MM MM	10%:	1/wk	500 km :: G	:: Sfc
					Harris	341	BM	2::1	2/day	20-50 km :: Ocean/R	
					Isacks	1932	BM	-	1/wk	5-50 km :: Land/R	N/A :: Sfc
					1	1936	BM	2::2	1/day	50 km :: R	N/A :: Sfc
					Murakami	1938	BM	10%:			
				•	Ватов	1926	BM	2::1	1/day	100 lon :: G	N/A :: Trop
				•	Lau	1935	BM	2::2	1/mo	500 km :: G	N/A :: Trop
				•	Sellera	1939	BM		4/day	100 km ::	
				•	Barron	1927	BM	2::1	1/day	10 km :: R	N/A :: Trop
					Hartmann	1691	BM	10::10	1/day	10 km :: Ocean	N/A :: Trop
				_	Cibler	3488	BM	0.1 mm :: 0.1 mm	1 day	500m :: Canada/R	N/A :: Sfc
				-	Kerr, Sorooshian	1934	BM	1 mm: 1 mm	1/day	1 km :: Land/R	N/A:: Sfc
					Moore	1974	ВМ	10% :: 10%	1/wk	1 km :: G	
				•	Wielicki	1940	ВМ	50% :: 25%	4/day [d,n]	25-50 km :: G	N/A :: Trop
				•	Cibler	3489	AM S	10%:: 10%	l wk	1 km :: Canada/R	N/A :: Sfc
					Simand	1937	AM-	20% ::		:: Canada/R	N/A:: Trop
AJRS (MHS)	PM	Level-1B Radionce, MHS	Chahine 2	2352				0.2dg NEdT :: 0.2dg NEdT	21day [d.n]	15 x 15 km :: G	NIA :: NIA
					Bates	1362	ВМ	0.2dg NEdT :: 0.2dg NEdT	2/day [d,n]	15 x 15 km :: G	N/A:: N/A
AIRSIAIRSI	P.M.	Level-18 Radiance, AIRS	Chahine	2347				0.2dg NEAT :: 0.2dg NEAT	21day [d.n]	15 x 15 lbm :: G	NIA :: NIA
					Bates	2346	ВМ	::			
					Schoeberl	2374	BM	1%(-1K)::0.5%	1/day	100 km :: G	1.5 km :: Strat
AIRSIAMSU-A. PM	A. PM	Humidity Profile, Microwave (see also 1828) Rosenbana		3692				20% :: 20%	21day [d.n]	50 km :: G	2 km :: Atmos
					Srokosz	1824	BM	0.3g/kg :: 0.1g/kg	2/day	10 km :: Ocean [South Atlan]	
					Liu	1817	BM	0.5 :: 0.5	1/day	25 km :: Ocean	0.5 km :: Trop
AIRSIAMSU-A, PM	A. PM	Precipitable Water, Microwave [see also 186 Rosentrans		3693				2 mm :: 1 mm	2/day [d.n]	50 km :: G	NIA :: Trop
				•	Herris	3440	ВМ	5%:: 3%	2/day	20-50 km :: Ocean/R	
					Abbott	1858	VW	10%:: 5%	1(1-2 day)	25 km :: Ocean [Southern]	Column :: Trop
					Berron	1861	Æ	3%::1%	1/day	100 lcm :: G	Column :: Trop
					Batos	1862	νW	5%::3%	2/day [d.n]	50 km :: G	N/A :: Trop
					Munkani	1867	VW	20%:			
					Liu	1866	ΜV	0.5::0.5	1/day	25 km :: Ocean	Column :: Trop
					Srokosz	1868	VW	1kg/m^2 :: 0.1kg/m^2	2/day	10 km :: Ocean [South Atlan]	N/A :: Atmos

Appendix M: IDS Input Requirements and Match Products by Instrument

Vertical	Resol :: Cover.	N/A .: Trop		N/A :: Sfc	N/A :: Tmp	N/A :: Sfc	N/A :: Sfc	N/A :: Sfe	N/A :: Sfc	N/A :: Sfc		N/A :: Sfe	N/A :: Trop	N/A :: Trop	:: Sfe		N/A :: Trop	N/A :: Irop	N/A Ten	100	N/A :: Trop	N/A :: N/A	N/A :: N/A	N/A Sfc	N/A :: Sfc	N/A :: Sfc	N/A :: Sfc	N/A :: Sfc	N/A :: Sfc	N/A :: Sfc		N/A :: Sfc	N/A :: Sfc	N/A :: Sic	N/A :: Sfc	N/A :: Sfc	N/A :: Sfc		N/A :: Sfc	N/A :: Sfc	N/A :: Sfc	N/A :: Sfc		N/A :: Sfc	N/A Sfe
Ver	Resol:	. V/N		YX	N/A	Y'X	V/N	V/N	V/Z	VX.		V/N	N/A	N/A	**		V/N	Y/N	A/M	Viki	NA	NIA	A/A	N/A	A/N	A/N	A/N	NIA	N/A	N/A		N/N	Y/Z	Y/Z	N. N.	Ž	N/N		VX	N/A	NIA	Y'N		V/N	412
Horizontal	Resol :: Cover.	50 km :: G	20-50 km :: Ocean/R	500m :: Cenada/R	D:: EJ 05	26-52 km :: Land	:: Ocean/L	:: Ocean	5-50 km :: Land/R	SO km :: R		1 km :: Canada/R	:: Canada/R	100 tm: G	500 km :: 0	100 km ::	10 km :: R	1 km : I and/0	0 - mq 005	1 km :: 0	25-50 km :: G	40 x 40 km :: G	40 x 40 km :: G	7 km :: Ocean	25 km :: Ocean [Southern]	1-25 km :: Ocean/R	25 km :: Ocean [Southern]	25 km :: Ocean	10-20 lzm :: Ocean [Southern]	7 km :: Ocean	7-25 km :: Ocean/R	:: Octan		7 km : Ocean	10-20 km :: Ocean [Southern]	7 km :: Ocean	7 km :: Ocean	7-25 km :: Ocean/R	:: Ocean		7 km :: Ocean	7 ltm :: Ocean	7-25 km :: Ocean/R	10 km :: Ocean/R	10 30 km :: Octob [6-14km]
Temporal	Resolution	21day [d.n]	2/day	1 day	2/day [d,n]	1/day	1/day, 1/seas	1/day, 1/seas	1/wk	1/day		! *k		1/day	1/wk	4/day	1/day	1/day	1/mo	1/wk	4/day [d,n]	21day [d.n]	2/day [d,n]		1/(1-2 day)	1-10 days	1/(10-20 day)	11(16 day)	1/(10-20 day)	1/day, 1/seas	1-10 days		0.40	(Am or);	1 (10-20 day)		1/day, 1/seas	1-10 days					1-10 days	1/day	V
Accuracy	Abs :: Rel	2 menuler :: I menuler	2::1	0.1 mm :: 0.1 mm	Zmm/hr :: 1mm/hr		2:: TBD	2:: TBD		2::2	10% ::	10% :: 10%	20% ::	2::1	10% ::		2::1	l mm : 1 mm	2::2	10%:: 10%	50% :: 25%	0.2dg NEdT :: 0.2dg NEdT	0.2dg NEdT :: 0.2dg NEdT	2 m/s .:	10%::5%	5-10% :: 2-10%	10% :: 5%	Scm et al ∷	Scm::3cm	5%::1%	2%::1%	368:368		1004::	Scm::3cm	10 cm ::	5%::1%	2%::1%	3 cm :: 3 cm	:: 10.0	>5mJ0% ::	>.5m,10% ::	10-20% :: 5-20%	×(5m,5%)::0.1m	104:54
rements	Investigator Prod # Match Type		BM	BM	VW	W	VΨ	¥	Æ	ΑM	ΑM	AM S-	¥\	₹	NA :	WV ?	3	¥	WY	WV	WV		BM		ВМ	BM	BM		BM	BM	BM 4	WG A	RN BN		ВМ	ВМ	BM	ВМ	Vγ	×γ		ВМ	BM	BM	724
IDS Input Regirements	Prod #		34	3488	1968	1970	1928	1929	1932	1936	1938	3489	1937	1926	1930	96.61	1931	_	١	1974	1940		2349		1708	3435	1707		308	3106	2 2	312	3107		3105	3111	3106	3427	3123	3122		3128	3431	3131	33
IDS In	Investigator		Harris	Cibler	Bates	Bates	Brewer	Brewer	Isacks	3	Murakami	Cible	Simurd	Barron	Hamsen	Sellen	Hartmann	Kerr, Sorooshim	La.	Moore	Wielicki		Batcs		Abbott	Harris	Abbort		Abbott	Brower	Harris	Mirratemi	Srokosz		Abbott	Batcs	Brewer	Harris	Ę	Murakemi		Batos	Herris	Srokosz	Abbott
	Prod #	3694																1-				2350		1735	1	1.		3/08	- 1	i.			1	3112	L1	1					3129				_
Jata Product	TM	so 196Staelin																				Chahine		a.				F						Fix											
Instrument Output Data Product	AISCIANCE FIRMOTHS PRODUCT NAME	rrecipitation Index, Microwave [see also 196Staelin																				Level-1B Radiance, AMSU-A		Wind Speed, Along-track				I opographic Elevator, Sea_sfc						Sea Level Height, Along-track							Ucean Wave Heigh, Along-Irach				
Detfer	MSG MINERAL FRAUDTING	30-7. FM																				URSIAMSU.AJ PM		ALT.			T.11	ł						TTV						2.53	į				
Tactoria	MANAGE	ev leva																				AIRS/AIM.		77.			11.7	į						<i>LTV</i>						717	į				

Appendix M: IDS Input Requirements and Match Products by Instrument

Proof 8 Briedigator Proof 8 Milet Type Abi :: Red Resolution Resol :: Cover Red Scalar Atlant Type Scalar Abi :: Red CABI:: Class Info day) 10 ton:: Cocas Scalar Atlant Scalar Abi Scalar Info day) 10 ton:: Cocas Scalar Atlant Scalar Abi Scalar Info day) 10 ton:: Cocas Scalar Atlant Abi Scalar Info day) 10 ton:: Cocas Scalar Atlant Abi Info day			Instrument Output Data Product	* Product		IDS Input Regirements	Regire	ments	Accuracy	Temporal	Horizontal	Vertical
Main	Instrument	Platforms	Product Name		rod#	Investigator P	rod #	fatch Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
No.	ALT	VTL	Level-1B Backscatter, ALT		3464							
Control Cont						\dashv	96 98	BM	0.2dB:: 0.1dB	1/(10 day)	10 km :: Ocean [South Atlan]	N/A:: Sfc
Mail					_	1	3125	BM	0.02(bin) :: 0.1dB	1/(10 day)	10 km :: Ocean [South Atlan]	N/A:: Sfc
Since 200 Billon 100	ALT	νΓ1	Ice Sheet Elevation		2911				.5т-5т ::	llyr	15 km :: Land/Cryo	NIA :: Sfe
Siened 2007 BMA 100 mm 110 mm 140 mm 100 mm 110 mm 140 mm 100 mm 140 mm 100 mm 140 mm 100 mm 140 mm 100 mm 140 mm 100 mm 140 mm						-	2906	BM	:: 001	1/(3 mo)	10 lcm :: Land/Cryo	:: Sfc
Simple S						Н	2910	BM	100 mm ::	1/(3 то)	100 km :: Land	N/A:: Sfc
Sinuary 100 min.							3053	BM-	100::	1/(3 mo)	10 km :: Lend/Cryo	:: Sfc
Revo. 854 RM 100;							3055	BM-	100 mm ::	1/(3 mo)	10 km :: Land/R	N/A :: Sfc
Size of Decision 100 mar; 1							2907	BM	100::	1/(3 mo)	100 km :: Land/Cryo	:: Sfc
Size 2005 MA 100 mm : 1/10 mo) 100 mm : 1 100 mo) 100 mm : 1 100 mo) 100 mm : 1 100 mo) 100 mm : 1 100 mo) 100 mm : 1 100 mo) 100 mo 100 mo) 1						H	3054	BM-	100::	1/(3 mo)	100 km :: Land/Cryo	30 m :: Sfc
Libration 2509 AM 0.1 = 10, 1/10 10 10 10 10 10 10							3056	BM.	100 шш ::	1/(3 mo)	100 km :: Land	N/A :: Sfc
Mail Vegetation Indicate [VIV] Gillategie 2777 Landa							2909	AM	100 mm ::	1/(3 mo)	10 km :: Land/R	N/A :: Sfc
Marie Preparation Marie Preparation Marie							2908	W	0.1 ::	2/yr	10 m :: Land/Cyro	N/A:: Sfc
Bination 11 11 11 11 11 11 11	ASTER	IWV	Vegetation Index (PVI)		2747						15 m :: Land/R.L	NIA :: Sfc
Button 1779 AM 197 1				•			2744	BM	1::05	l/mo	30-60 m :: Land/L	N/A:: Sfc
Dickinos 340						H	27.39	ΨV	30 m ::	1/(3 mo)	30 m :: Lænd/L	N/A :: Sfc
Base 2576 AM 0.5.0.02 14m0 0.0m ::Land 1.0m ::Land 1.0m 0.0m ::Land 1.0m ::Land					1	┢	3400	ΨV			High, res :: Land	
Selica 261 AM 108 154 149 108 108 114 11					-	┢	2676	ΑA		1/mo	60m:Lmd	N/A :: Sfc
Solime 2677					1	-	2675	WY	0.5 :: 0.2	1/day	30 m :: Land/L	N/A :: Sfc
Mine Mine					<u> </u>	-	2678	WA	10%::1%	1/wk, 1/mo	30 m :: 6 sites/l.	N/A :: Sfc
Muskeri 2546 AM 15% = 15% Good 10m = Canada Muskeri 2500 AM 15% = 15% Good 10m = Canada 10m = Canada 15m = Canada					I		2743	ΜV	1::1	1/mo	240-500 m :: Land/R	N/A :: Sfc
Chiefe Chiefe Chiefe Chiefe Sol AM 15% :15% Sol Onco 100 m: Chand/R 15m; c						_	2745	ΨV			:: Land	N/A :: Sfc
Mile Sed Judas Giltopie 2001 Barron 2779 BM 1576; 1579 1/37						-	3504	Ą	15% :: 15%	ouce	100 m :: Canada/R	N/A :: Sfc
No. col. 1779 BM 157; 157 11/7 30 m: Land() 10 m: La	ASTER	AMI	Soil Index		2801					50 scenes/mission	15 m :: Land/R,L	NIA :: Sfe
				•		Вагтоп	56/2	BM	57::57	1/3	30 m :: Land/L	N/A :: Sfc
More 2800 BM 1556;;1556 Lly Llmistion 15.00m;Landl Barron 2794 AM 1054;556 Llmistion 100m;Landl 15.00m;Landl 15						ㄴ	2792	BM		ıŞı	30 m :: Land/R	:: Sfc
Decision 1778 AM Infinition 11340 m: Land/L Barron 1778 AM 1066;1546 Infinition 100 m: Land/L Barron 1774 AM 1066;1546 Infinition 100 m: Land/L Barron 1775 AM 1066;1546 Infinition 100 m: Land/L 100 m: Land/					•	Moore	2800	BM	15% :: 15%	1/1	1 km :: Land	:: Sfc
Barron 2794 AM 10% ::5% Unission 100 hm :: Land						Isacks	87.12	ΑM		1/mission, 1/mo	15-30 m :: Land/L	N/A :: Sfc
Burno 2767 AM 10% : 5% 1/mission 30 m :: Land the land t						Вагтоп	27.94	ΑM	10%:: 5%	1/mission	100 km :: Land	N/A :: Sfc
Barron 2767 AM 57:55 Intesion 10tm:LandR 10						Barron	2795	ΑM	10% :: 5%	1/mission	30 m :: Lend/L	N/A :: Sfc
Barron 2796 AM 10% :: 58 1/mission 10 km :: Land R 10% :: 58 1/mission 10 km :: Land R 10 km :: Land						Вагтоп	1812	MΑ	5::5	1/scas	30 m :: Land/L	N/A :: Sfc
Barron 2795 AM S 7::57 Ilyr 100 km : Land						Barron	27%	ΑM	10%:: 5%	1/mission	10 km :: Land/R	N/A :: Sfc
Mise of Maps Mise of Maps Gilletpie, Rowar, 2817 Barron 2778 AM variable :: variable 50mission 90m :: Land/R 1 1 1 1 1 1 1 1 1						Berron	1912	Ą	57::57	1/yr	100 km :: Land	N/A:: Sfc
AMI Mine of Maps Gilletpie, Rowar, 2817* 2877 AM variable :: varia					1	Barron	8612	¥	5?::57	1/2	10 km :: Land/R	N/A :: Sfc
	ASTER	IWV	Minaal Maps		2817				variable :: variable	50/mission	90 m :: Land/R,L	N/A :: S/E
Mail Ceologic Unit Maps (Geology Maps) Cilletpie, Rowan, 2883 Lisacks 2851 BM variable 50/mission 90 m :: Land/R					1	Isacks	27.8	¥		1/mission, 1/mo	15-30 m :: Land/L.	N/A :: Sfc
						Kerr, Sorooshism	2082	¥γ		1/1	30 m :: Land/R	:: Sfc
	ASTER	<i>M</i>	Geologic Unit Maps (Geology Maps)		.5997		1		variable variable) Urmusnom	NO M :: LandKL.	77.7
November November						SACES	1087	Wg :		I/mission	IS-30 III Candyk	N/A :: Sic
Mail Land_st Emissivity 1 Kable, Becker, Cl. 2124 Kart, Soroodilae 2123 BM 0.055-0.1:0.005 1/105-16 day) 90 m::Land R 1/2						Kerr, Sorooshim	2882	RM:		ιψ.	30 m :: Land/R	:: Sic
AMI Land 3fc Ensistivity [1] Kable, Becker, Ct. 2124 Kart, Servochina 2123 BM 0.005:0.005 11/pr 90 m: Land/R Ciblur 3487 AM 0.005:0.005 11/pr 90 m: Land/R AMI Land 3fc Temperature (3-products) Kable, Becker, Ct. 2483 BM 1-6::0.3 1/wk 90 m: Land/L Land 3fc Temperature (3-products) Kable, Becker, Ct. 2483 BM 1-6::0.3 1/wk 90 m: Land/L Mougnis-Mark 3292 BM 10 C:: 24day [d.n.] 30 m: Land/L						Kerr, Sorooshian	76/7	AM.		1/31	30 m :: Land/K	:: SIC
Comparison Com	ASTER	VMI	Land ste Emissivity [1]	Kahle, Becker, Cl.	2124				0.05-0.1 :: 0.005	1/(0.5-16 day)	7 :: w 06	N/A :: SJE
Cibier 3487 AM 0.025::0.025 10 day 1.25 deg::Canada(R AM 1.25 deg::Canada(R AM 1.25 deg::Canada(R AM 1.25 deg::Canada(R AM 1.25 deg::Canada(R AM 1.25 deg::Canada(R AM 1.25 deg::Canada(R AM 1.25 deg::Canada(R AM 1.25 deg::Canada(R AM 1.25 deg::Canada(R AM 1.25 deg::Canada(R AM 1.25 deg::Canada(R AM 1.25 deg::Canada(R AM AM AM AM AM AM AM A						Kerr, Sorooshisa	2123	BM	0.05 :: 0.05	1/31	90 m :: Land/R	N/A :: Sfc
AMI Land st Temperature (3-products) Kable, Becker, Ct. 2483						Cibler	3487	MΛ	0.025 :: 0.025	10 day	1.25 deg :: Canada/R	N/A :: Sfc
3389 BM High.res :: Land 2497 BM 1-6:: 0.3 1/wk 90 m:: Land d. 3292 BM 10 C:: 2/day [d.n] 30 m:: Land d.	ASTER	VMI	Land sfc Temperature (3-products)	Kahle, Becker, Cl.	2483				1-6K:: 03K	11(2-16 day)	90 m :: Land	NIA :: Sfe
2497 BM 1-6::0.3 1/wk 90 m:: Land/L 3292 BM 10 C:: 2/day [d.n] 30 m:: Land/L						Dickinson	3389	BM			High_res :: Land	
3292 BM 10 C:: 2/day [d,n] 30 m :: LandA.					•	Isacks	2497	BM	1-6:: 0.3	1/wk	90 m :: LandAL	N/A :: Sfc
						Mouginis-Mark	3292	ВМ	10 C ::	2/day [d,n]	30 m :: Land/L	N/A :: Sfc

Appendix M: IDS Input Requirements and Match Products by Instrument

9, 12			-4	and and a country						
rent runtion	Instrument Flattorms Product Name	TM	•	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
1	Land at Temperature (3-products)	Kable, Becter, Ck 24	2483	Simard	3311	ВМ	0.5 :: 1.0	2/day	100 m :: R/Canada	N/A :: Sfc
				Cibler	3503	ВМ	0.5 K :: 1.0 K	1 day	250-1000 m :: Canada/R	N/A :: Sfc
				na.	202	BM	05K::0.5K	1/(3 day)	100 m :: Land/L	N/A :: Sfc
				Moore	2535	BM				:: Sfc
			<u>~ </u>	Mouginis-Mark	3291	BM	1C::	1/(3 mo)	100 m :: Land/L	N/A :: Sfc
				Dozier	2500	BM	1 K :: 0.3 K	1/wk	500 m :: Snow/L	
				Mouginis-Mark	3262	BM	30 m(hor) ::	2/day [d,n]	30 m :: Lend/L	N/A :: Sfc
				Mouginis-Mark	3266	ВМ	(30m)^2 ::	2/day [d.n]	30 m :: Land/L	N/A :: Sfc
			1_	Schimel	1633	BM-	10% :: 1%	1/day, 1/wk	30 m :: 6 sites/L	N/A :: Sfc
				Sellers	24.78	ВМ	::		S00m::	
				Barron	27.22	ВМ	1::05	1/day	30 m :: Land/L	N/A :: Sfc
			-1	Mouginis-Mark	3295	ВМ	1C::	1/31	30 m :: Land/L	N/A :: Sfc
				Richey, Batista	2476	ΨV		1/day	:: Land/R	N/A :: Sfc
				3	2502	ΑM	1K::1K	1/(3 day)	1 km :: Land/R	N/A :: Sfc
			×	Kerr, Sorooshian	2456	AM	0.5 K :: 0.5 K	2/day [d,n]	500 m :: Land/R	:: Sfc
		- 1		Barron	2473	×γ	1::0.5	1/day	10 km :: Land/R	N/A :: Sfc
ě	LONG IS Emissivity, Relaive Spectral	Kahle, Becker, Sc. 21	2120 6217				NIA :: NIA	1/(05-16 day)	90 m Land/R.L	N/A :: Sfc
				Isacks	2125	ВМ		1/yr	15-90 m :: Land/L	N/A :: Sfc
		- 1	\dagger	Ē	2546	Ϋ́			D::	N/A :: Cloud
Ž	Sou Maps, Level-4 (Class, Comp. Age, etc.)	Kahle, Gillespie 280	2803.					50 maps/mission	90 m :: Land/R,L	NIA .: Sfc
				Barros	2795	BM	10% :: 5%	1/mission	30 m :: LandA.	N/A :: Sfc
			꼬	Kerr, Sorooshian	2612	ВМ		1/31	30 m :: Land/R	:: Sfc
			꼬	Kerr, Sorooshian	2802	ВМ		l/yr	30 m :: Land/R	:: Sfc
			_	Ваттов	2799	BM	57::57	1/31	30 m :: Land/L	N/A :: Sfc
				Barron	ž	BM	10% :: 5%	1/mission	100 km :: Land	N/A :: Sfc
				Barron	278	BM	10% :: 5%	1/mission	10 km :: Land/R	N/A:: Sfc
			1	Dickinson	3409 60	ВМ			Low_res :: Land	
				Moore	2800	ВМ	15% :: 15%	1/51	1 lon :: Land	:: Sfc
			×	Richey, Batista	2810	BM	20% :: 20%	1/seas	1 km :: Land/R	N/A :: Sfc
				Barron	2786	AM	5::5	1/seas	100 km :: Land	N/A :: Sfc
				Barron	16/2	W .	57::57	1/31	100 km :: Land	N/A:: Sfc
			1_	Berrie	3306	£ 2	37::37	1/yr	10 km :: Lend/R	N/A :: Sfc
IWV	Topographic Elevation, Land sfc, (DEM)	Kahle, JGI 28.	2828	TOUR	3	AM.	5::5 -0::::20	1/scns	10 km :: Land/R	N/A :: Sfc
				Ваттов	2824	RM	# 00% M 00%	1/mussion	1) m :: Land/K,L	30 m :: S/c
			1	Isacks	2833	BM	30::10	1/mission	30 m :: Lange	NA EC.
				Isacks	2837	BM	10::18	l/mission	point :: Land.	N/A :: Sfc
			¥	Ш	2834	BM	10::10	1/3	30m:Land/R	.: Sfe
			2	Mouginis-Mark	3276	ВМ	10 m(ver) ::	1/mission	30 m :: Lend/L	N/A :: Sfc
			[2835	ВМ	10m:1m	1/mission	10 m :: Land/L.R	N/A :: Sfc
					1546	BM	10%:: 0.1	1/mission, 1/yr	30 m :: Lend/L	N/A :: Sfc
				_	1553	ВМ	2 cm :: 1 cm	l/mission, 1/mo	30 m :: Lend/L	N/A :: Sfc
			꼬	_	2830	ВМ	10:: 5	1/3	30 m :: Land/R	:: Síc
			<u> </u>	i d	2845	ВМ	5::5	1/31	30 m :: Land/R	:: Sfc
				Ť	1550	ВМ	10% :: 10%	1/fr	30 m :: Land/L	N/A :: Sfc
				1	2839	BM	100 m :: 50 m	1/mission	50 m :: Land/R	N/A :: Sfc
				Complex	3	-÷ ₩<	1-10 m ::	Boud	Barray in Change	30
			-						A Marianana	31C :: EO

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Output Data Product			IDS Input Regirements	it Regir	ements	Accuracy	I emporal	THOUSE THE	
trument	Platforms	Instrument Platforms Product Name	TM	Prod #	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
ASTER	NM1	Topographic Elevation, Land sfc, (DEM)	KaNe, JGI	2828	Moore	72827	VW	lm::			:: Sfe
					Barron	2905	AM S	30 ш ::	1/(3 mo)	30 m :: L=nd/L	N/A :: Sfc
				<u>. </u>	Barron	2849	AM S	30 m ::	1/(3 mo)	30 m :: L=nd/L	N/A :: Sfc
					Isacks	2902	AM S		1/mission, 1/yr	15-30 m :: Land/R	N/A :: Sfc
				<u> </u>	Isacks	2851	¥		1/mission	15-30 m :: Land/R	N/A:: Sfc
					Isacks	2869	AMS	10 cm :: 5 cm	l/mission	[2-D sect] :: Land/L	N/A:: Sfc
				1	Lau	2904	AM S	100m^2 :: 100m^2	1/mission	10 m :: Land/L	N/A:: Sfc
					Dickinson	3410	NA.			Low_res :: Land	
				·	Isacks	2838	W	:: 120	1/mission	720 m :: Land/R	N/A :: Sfc
					Kerr, Sorooshian	2826	Α	S0 m :: S0 m	1/mission	500 m :: Land	N/A :: Sfc
ASTER	NN!	Glacier Velocity	Kieffer	767				20 m/yr :: 10 m/yr	1 79	15 m :: Land/Cryo	
		•	1	1	Barron	5929	ş	::		:: Land/Cryo	N/A:: Sfc
				J	Simard	2894	¥	10 cm ::	1/yr, 1/seas	:: Canada/R	N/A :: Sfc
ASTER	AM!	Land at Temperature-Difference, Day-Night Kieffer et al	hi Kieffer et al	2540				1-2 K :: 0.3 K		90 m :: LandiR.L	N/A :: Sfc
			ı	4	Batcs	2538	ΜĄ	0.5 K :: 0.25 K	1/day	50 km :: Land	N/A :: Sfc
				1	Dickinson	3395	ΜA			<0.5-1 deg :: G	
ASTER	WY!	Land Thermal Inertia	Kieffer et al	2542				40% :: 20%		90 m :: LandIR.L	NIA :: Sfc
i			ı	-:-	Kerr, Sorooshian	2541	BM	.008 :: .004	1/(16 day)	60 m :: Land/R	N/A :: Sfc
ASTER	IWV	Level-2 Radionce, Land leaving	Palluconi et al	2378				TBD :: 0.065-0.085	11(2-16 day)	90 m :: Land/R.L	N/A :: Sfc
		,		4	Cibler	3494	BM	5%:: 10%	once	250-1000 m :: Canada/R	N/A :: Sfc
ASTER	AMI	Eruption-Plume Characteristics	Pieri	3301				variable :: variable		15,30,90 m :: R/L	
		•		.	Mouginis-Mark	3273	BM	1 km ::	1/orbit, 1/day	ikm::Lend/L	N/A:: Plume_col
				•	Mouginis-Mark	3293	BM-	10 C ::	2/day [d,n]	100 m :: R	N/A :: Plume_col
					Mouginis-Mark	3282	BM-		1/day	1 km:: Land/R	N/A:: Plume_col
				•	Mouginis-Mark	3302	BM-		1/day	30 m :: Land/R	N/A:: Plume_col
ASTER	AMI	Volcano Age	Pieri, Kahle	3298				variable :: variable		15,30,90 m :: LandiR.L	N/A ::
		•			Isacks	87.12	W		1/mission, 1/mo	15-30 m :: Land/L	N/A :: Sfc
ASTER	1WV	Landorm Lineament / Slope Maps	Комал	2856				variable :: variable	25 scenes/yr	50 m :: LandIR.L	NIA :: Sfc
				-	Kerr, Sorooshim	2830	BM	10:: 5	1/31	30 m :: Land/R	:: Sfc
				•	Kerr, Sorooshian	2845	BM	5::5	1/yr	30 m :: Land/R	:: Sfc
ASTER	AM!	Mineral Index	Rowan, Kahle, Gill	2773				10%::5%	15 scenesiyr	15,30,90 m :: Land/R.L	N/A :: Sfc
					Isacks	27.78	ВМ		1/mission, 1/mo	15-30 m :: Land/L	N/A :: Sfc
ASTER	AMI	Vegetation Evaporangination (ET)	Schnugge	1621				I menday :: 0.5 menday		90 m :: Land/R,L	N/A :: Sfe
					Chler	3497	ВМ	20% :: 5-20%	1 day, 1 wk	500 m :: Canada/R	N/A :: Sfc
					Dickinson	3351	ВМ			High res :: Land	
					Lau	1801	ВМ	10% :: 10%	1/day	1 km :: Land/L	N/A :: Sfc
					Munkani	1991	ВМ	0.02 ::			
					Simand	1789	ВМ			:: Canada/R	N/A :: Sfc
					Bates	1989	ВМ	1::1	1/day	500 m :: Land	N/A :: Sfc
					Bates	1800	M8	0.5 :: 1	1/day	500 m :: Land	N/A :: Sfc
					Moore	3057	BM	20% :: 20%	1/day, 1/wk	500 m :: R	:: Sfc
					Bates	061	BM	0.02 ::			
					Dickinson	3352	BM			Med_res :: Land	
					ne-1	1788	BM	10%:: 10%	1/day	1 km :: Land/L	N/A :: Sfc
					usı	1802	ВМ	10% :: 10%	1/day	10 km :: Land/R	N/A :: Sfc
					Dickinson	3350	BM			<05-1 deg :: 0	
					1	1804	BM	10% :: 10%	1/day	10 km :: Land/R	N/A :: Sfc
					Moore	3058	BM	20% :: 20%	1/day, 1/wk	: E S	: 25

Appendix M: IDS Input Requirements and Match Products by Instrument

Temporal Resolution R Resolution R Resolution R Resolution R Resolution R Resolution R Resolution R R R R R R R R R			Inchainment Ordered Date	7		. 0 1,0						
Mail Separate Se	Instrumen	Platform	Product Name	Troduct	1	Ins Inpu	il Keqir	ements	Accuracy	Temporal	Horizontal	Vertical
Mail Semi-tree Test Seminary Test Seminary Seminary Test Seminary Test Seminary Test Seminary Test Seminary Test Seminary Test Seminary Test Seminary Test	ACT CO	, A	a irroduct Name	E I	# pot.	Investigator	# por	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Mil. Lani, & Marchest 110 11	XZICY	VAI.	Vegetation Evapotranspiration (ET)	Schnugge	1791	Schimel	1790	BM	20%::5%	1/vk	30 m :: 6 sites/f.	N/A Sfc
Mail Sin	ASTER	IMA	Land sft Reflectance, Directional	Slater	2433				44::05.13	3700	15 30 m . Land R. L	N/A CA
AMI Sing List Free TRD Signed 199 AME TRD TRD TRD Signed 199 AME TRD						Kerr, Sorooshian	2428	BM	3% :: 5%	1/0 mg/	30 m : 1 m/6	36 V
AMI Sout Let Avea TID 560 Seminared 1996 AMID TIDO TIDO 170 On Seminared 170 On Semin					•	Sellers	28	Æ		(om a)(:	250-500 m I and	316 ::
Mil. Service February Mil. Service Mil. Service February Mil. Service February Mil. Service Mil	ASTER	JW1	Sea Ice Area	TBD	3630				TRD TRD	Cat	Car. Car	Tar.
MAI Lond, if Water Area 150 Mai Lond 200 BM 110:170 17						Simand	3. 8.	AM S	\$00 ш	1/7 day)	SOD m :: Canada/R	180 :: 180 N/A :: 66
Lincit Store Area 120 1644 Store Area 120 Store	ASTER	VM!	Land sfc Water Area	TBD	3633				TBD TBD	TRD	TRO I condition	OGT : CGT
Line 2000 EM COLOR C						Isacks	303	BM	:	001	15 20 - 1 1 1. 31	160 :: 160
Note See Leg 150 151						ne l	9060	R	:001	14.1	20 = Land/L	N/A :: SIC
AMI See Area 180 184 1100 1104 1100 1104 1100 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>Вастоп</td><td>3062</td><td>BM</td><td>10% :: 10%</td><td>1/400</td><td>Ober 1.</td><td>N/A :: SE</td></t<>						Вастоп	3062	BM	10% :: 10%	1/400	Ober 1.	N/A :: SE
AMI See A Force State 150 / 100 /						la.	3061	MW.	:61	1 Aut	0 Fred ::	M/A :: 510
Mail Chard	ASTER	AMI	Snow Area	TBD	3634				78D :: TBD	TBD	TBD :: LandTBD	TRO TRO
AMI Cloud Floigh, Rest Vetch 137 BM 100 m; 20m I list day) 100 m; Land						Isacks	3011	BM	5424.	These	15.30 1.34	100 101 NA 66-
AM1 Cloud ling ly, Rase Weight 191 Weight 192 AM1 Cloud ling ly, Rase 1416 day) 1416 day) 1416 day) 1410 day						1	3012	NA.	23:25	1/2008	10-20 to :: Lang/L	N/A :: Sic
Mail	ASTER	VMI	Cloud Height, Base	Welch	/02/				07::2	1/WK	TOO III :: I'IIIIONT	N/A :: Sic
AMI Cloud Direct Depth National Constitution of AMI Cloud Direct Depth National Constitution of AMI AMI Cloud Direct Depth National Constitution of AMI AMI Cloud Direct Depth National Constitution of AMI AMI Cloud Direct Depth National Constitution of AMI AMI Cloud Direct Depth National Constitution of AMI AMI Cloud Direct Depth National Constitution of AMI AMI Cloud Direct Depth National Constitution of AMI AMI AMI Cloud Direct Depth National Constitution of AMI AMI Cloud Direct Depth National Constitution of AMI AMI Cloud Direct Depth National Constitution of AMI AMI <td></td> <td></td> <td></td> <td></td> <td></td> <td>Winter</td> <td>5</td> <td>7.6</td> <td>100 m :: 100 m</td> <td>11(10 day)</td> <td>7 :: w001</td> <td>N/A :: Cloud</td>						Winter	5	7.6	100 m :: 100 m	11(10 day)	7 :: w001	N/A :: Cloud
Mail						w leach	138	P.W	0.1 Km :: 0.1 km	1/(16 day)	0.2 km :: R	0.1 km :: Atmos
AM1 Cloud Dray Statisticine Radius Weich 1427 Numbers 1421 RM 1100m:150 mm 1116 day) 30m:1-L AM1 Cloud Dray Statisticine Radius Weich 1720 Weicheld 1720 Numbers 1421 RM 0.1 min of 10 mm 1116 day) 1116 day) 0.2 min R AM1 Cloud Dray Statisticine Radius Weich 1770 Weicheld 1770 RM 0.0 min St 1116 day) 0.2 min R AM1 Cloud Dray Statisticine Radius Weich 1770 Weicheld 1771 RM 0.0 min St 1116 day) 0.0 min R AM1 Cloud Coned Coned Weich 1771 RM 256.25% 1116 day) 0.0 min R AM1 Cloud Coned Co						Kerr, Sorooshian	1385	Ψ¥	200m :: 200m	1/hr	1 km::Lend	100 mb :: Trop
Mail Class	407.00					Barron	1382	×γ	100 m :: 50 m	1/day	30 m :: L	100 m :: Cloud
AMI Cloud Drop Plant Weising 1441 BM 0.1 km ± 0.1 km 1 (1/6 day) 0.2 km ± R AMI Cloud Drop Plant Weising 1731 1441 BM 0.1 km ± 0.1 km 1 (1/6 day) 1 (1/6 day) 0.2 km ± R AMI Cloud Drop Statiglistive Robins Weich 1773 Weich 1771 BM 25% ± 10% 1 (1/6 day) 15.50 m ± L AMI Cloud Grove Weich 1770 BM 25% ± 10% 1 (1/6 day) 15.50 m ± L AMI Cloud Grove Weich 1771 BM 25% ± 10% 1 (1/6 day) 15.50 m ± L AMI Cloud Grove Weich 200 MA 25% ± 3% 1 (1/6 day) 15.50 m ± L AMI Cloud Grove Weich 200 AM 25% ± 3% 1 (1/6 day) 15.00 m ± L AMI Cloud Grove Weich 210 BM 25% ± 3% 1 (1/6 day) 15.00 m ± L AMI Cloud Grove Weich 210 AM 25% ± 3% 1 (1/6 day) 10	Y I I	787	Cloud Heigh, Top	Welch	1427				300 m :: 300 m	11(16 day)	7::w06	N/A :: Cloud
AMI Cloud Drop Phase Writch 1753 Barron 1414 AM 100m :: 2 m 110f day) 370 m :: L AMI Cloud Drop Phase Writch 1773 Writch 1773 BM 25% :: 10% 11/16 day) 15.50 m :: L AMI Cloud Drop Stele Spectiv Radius) Welled 1771 BM 25% :: 10% 11/16 day) 15.50 m :: L AMI Cloud Cross Welled 200 AM 25% :: 10% 11/16 day) 15.50 m :: L AMI Cloud Cross Welled 200 AM 25% :: 10% 11/16 day) 15.50 m :: L AMI Cloud Cross Cross Welled 200 AM 25% :: 2% 11/16 day) 30 m :: L L AMI Cloud Cross Cross Welled 200 AM 25% :: 2% 11/16 day) 30 m :: L L AMI Cloud Cross Cross Welled 200 AM 25% :: 2% 11/16 day) 30 m :: L L AMI Scales 200 AM 25% :: 3% 11/16 day) <td></td> <td></td> <td></td> <td></td> <td></td> <td>Wielicki</td> <td>1421</td> <td>BM</td> <td>0.1 km :: 0.1 km</td> <td>1/(16 day)</td> <td>0.2 km :: R</td> <td>0.1 km :: Atmos</td>						Wielicki	1421	BM	0.1 km :: 0.1 km	1/(16 day)	0.2 km :: R	0.1 km :: Atmos
AMI Cloud Drey Nate: Weich 1731 BM vastrice: 1116 day) 1530 m.; L. AMI Cloud Drey Sted Effective Reduin) Weich 1771 BM 25% : 10% III (6 day) 1530 m.; L. AMI Cloud Drey Sted Effective Reduin) Weich 1771 BM 25% : 10% III (6 day) 1530 m.; L. AMI Cloud Cyticd Drey Weich 2000 Dickinson 3143 BM 35% : 3% III (6 day) 50.0 m.; L. AMI Cloud Opited Drey Weich 2010 Bmren 2051 AM 35% : 3% III (6 day) 15.30 m.; L. AMI Cloud Opited Drey Weich 210 Bmren 2051 AM 35% : 3% III (6 day) 15.30 m.; L AMI Cloud Opited Drey Weich 210 Bmren 2051 AM 35% : 3% III (6 day) 15.30 m.; L AMI Shall Cloud Opited Drey Weich 312 AM 35% : 3% III (6 day) 15.30 m.; L						Вастоп	1414	AM	100 m :: 25 m	1/day	30 m :: L	100 m :: Cloud
AMI Cloud Drop Stele@fector Radius) Weich 1770 Weich 1771 BM 25%:10% 1/10 day) 0.010 km: R AMI Cloud Drop Stele@fector Radius) Weich 1771 BM 25%:10% 1/10 day) 0.010 km: R AMI Cloud Cover Weich 200 BM 25%:10% 1/10 day)	ASTER	W	Cloud Drop Phase	Welch	1763				waterlice ::	11(16 day)	15-30 m :: L	NIA :: Cloud
AMI Cloud Coted Cloud Coted Hills day) 1550m::L AMI Cloud Coted Hills day) 110 mm: 110 day; 110 day; 1500m::L AMI Cloud Coted Hills day; 10 mm: 110 day; 110 day;<						Wielicki	1760	ВМ	25% :: 10%	1/(16 day)	.03-10 km :: R	N/A :: Atmos
AM1 Cloud Cynic d Depth Welch 100 BM 25% :: 10% I/(16 day) G0:10 km :: R AM1 Cloud Opic d Depth Welch 200 AM 5% :: 5% I/(40 day) 10 km :: Land R AM1 Cloud Opic d Depth Welch 200 AM 5% :: 5% I/(40 day) 10 km :: R	ASTER	VW!	Cloud Drop Sixel Effective Radius)	Welch	1779				10 am::	1/(16 day)	15.90 m :: L	:: Cloud
AMI Cloud Cover Weich 2000 Dickinson 33-3 BM 5%-25% 1/16 doy) 60 m: L. AMI Cloud Optical Daph Weich 2077 AM 2%-25% 1/16 doy) 30 m: R 10 m: L. AMI Cloud Optical Daph Weich 2071 AM 1/6-25% 1/16 doy) 30 m: L. AMI Cloud Temperature, Top Weich 210 AM 1/6-25% 1/16 doy) 30 m: L. AMI Cloud Temperature, Top Weich 210 AM 1/6-25% 1/16 doy) 30 m: L. AMI Cloud Temperature, Top Weich 210 AM 1/6-25% 1/16 doy) 30 m: L. AMI Ste Lee Fraction Weich 210 AM 2/6-25% 1/16 doy) 30 m: L. AMI Ste Lee Fraction Weich 210 AM 2/6-25% 1/16 doy) 30 m: L. AMI Ste Lee Fraction Weich 210 AM 2/6-25% 1/16 doy) 30 m: L.						Wielicki	17.1	BM	25%:: 10%	1/(16 dav)	03-10 km : R	N/A : A/N
Decisiona 345 BM S6.:5% 1/day 10 km : LandR Writek 2177 AM 28::2% 1/day 10 km : LandR Writek 2170 Moore 2057 AM 28::2% 1/day 30 m : L 1 km : G 1 km :	ASTER	VMI	Cloud Cover	Welch	2080				3% :: 3%	1/(16 day)	7::w06	NA :: Cloud
No. No.						Dickinson	3343	BM			High res :: G	
AMI Cloud Opicial Depth Welch 210 AM 3% :: 3% 1/(16 day) 30 m:: R AMI Cloud Opicial Depth Welch 210 AM 5 :: 5 1/(Aby) 30 m:: L 30 m:: L AMI Cloud Temperature, Top Welch 2465 Barron 2037 AM 3% :: 3% 1/(16 day) 30 m:: L AMI Cloud Temperature, Top Welch 2465 Barron 2467 AM 3% :: 3% 1/(16 day) 30 m:: L 150 m:: L AMI Sea Lee Fraction Welch 315 AM 3% :: 3% 1/(16 day) 30 m:: Coesan/Cryo 90 m:: Coesan/Cryo AMI Sea Lee Fraction Welch 315 AM 2:: 1 1/(16 day) 30 m:: Coesan/Cryo AMI Sea Lee Fraction Welch 315 AM 2:: 1 1/(16 day) 30 m:: Coesan/Cryo AMI Sea Lee Lead (Open Water) Fraction Welch 315 AM 2:: 1 1/(16 day) 30 m:: Coesan/Cryo AMI Sea Lee Lead						Kerr, Sorooshisa	2075	ΨV	5%:: 5%	1/day	10 km :: Land/R	N/A :: Cloud
AMI Cloud Opited Depth Weich 2110 Barron 2051 AM 10% :: 10% 1 Iday 30 m:: L AMI Cloud Temperature, Top Weich 2110 Barron 2003 AM 3% :: 3% 11/64 pp.) 15.0 m:: L AMI Cloud Temperature, Top Weich 2455 AM 3% :: 3% 11/64 pp.) 30 m:: Coeun/L AMI Sea Lee Fraction Weich 2450 AM 3% :: 3% 11/64 pp.) 30 m:: Coeun/L AMI Sea Lee Fraction Weich 3152 AM 3% :: 3% 11/64 pp.) 30 m:: Coeun/L AMI Sea Lee Fraction Weich 317 AM 3% :: 3% 11/64 pp.) 30 m:: Coeun/C-po AMI Sea Lee Fraction Weich 318 AM 3% :: 3% 11/64 pp.) 30 m:: Coeun/C-po Son in coeun/C-po Simued 3167 AM 3% :: 3% 1/64 pp.) 30 m:: Coeun/C-po AMI Sea Lee Fraction Weich 318 AM 3% :: 3% <						Wielicki	2077	W	2%:: 2%	1/(16 day)	30m::R	N/A :: Atmos
AMI Cloud Optical Depth Weith 210 AM 150% : 10% 1/kF 1 Inn :: G AMI Cloud Optical Depth Weith 2465 AM 38:: 3% 11/16 day) 30 m :: C Deaufl. AMI Cloud Temperature, Top Weith 2465 AM 38:: 3% 11/16 day) 30 m :: Land/R AMI Sea Ice Fraction Weith 3152 AM 38:: 3% 1/hr 500 m :: Land/R AMI Sea Ice Fraction Weith 3157 AM 2:: 1 1/day 30 m :: C Deaufl-Cype AMI Sea Ice Fraction Weith 3157 AM 2:: 1 1/day 30 m :: C Deaufl-Cype AMI Sea Ice Land (Open-Water) Fraction Weith 3167 AM 2:: 1 1/day 30 m :: C Deaufl-Cype AMI Sea Ice Land (Open-Water) Fraction Weith 3168 AM 256:: 3% 1/day 10 m :: C Deaufl-Cype AMI Sea Ice Land (Open-Water) Fraction Weith 3167 AM 256:: 3% 1/day 30						Вагтоп	2051	¥	5::5	1/day	- E OE	Fire C :: 4/N
AMI Cloud Opited Depth Welch 310 AM 3% :: 3% 1/(16 day) 15.30 m :: L AMI Cloud Temperature, Top Welch 2462 BM 5% :: 3% 1/(16 day) 30 m :: Coen/L AMI Sea Lee Fraction Welch 3152 AM 2.:: 1 1/(16 day) 30 m :: Coen/L AMI Sea Lee Fraction Welch 3157 AM 2.:: 1 1/(16 day) 30 m :: Coen/L AMI Sea Lee Fraction Welch 3157 AM 2.:: 1 1/(16 day) 30 m :: Coen/Cyo AMI Sea Lee Fraction Welch 3157 AM 2.:: 1 1/(16 day) 30 m :: Coen/Cyo AMI Sea Lee Fraction Welch 3157 AM 2.:: 1 1/(16 day) 30 m :: Coen/Cyo AMI Sea Lee Fraction Welch 3158 AM 58:: 35 1/(16 day) 30 m :: Coen/Cyo AMI Sea Lee Lead (Open Water) Fraction Welch 316 AM 55:: 35 1/(16 day) 25 tm :: Coen/Cyo <td></td> <td></td> <td></td> <td></td> <td></td> <td>Moore</td> <td>2057</td> <td>¥</td> <td>10% :: 10%</td> <td>I/wk</td> <td>Lka : G</td> <td></td>						Moore	2057	¥	10% :: 10%	I/wk	Lka : G	
AMI Cloud Temperature, Top Welch 2455 AM 3% :: 3% 1/day 30 m :: Ocean/L. AMI Sea Lee Fraction Welch 3157 Burnon 2459 AM 2:: 1 1/day 10 m :: Ocean/L. AMI Sea Lee Fraction Welch 3152 Burnon 2459 AM 2:: 1 1/day 10 km :: Ocean/Cryo Son Lee Fraction Welch 3152 Burnon 3167 AM 2:: 1 1/day 10 km :: Ocean/Cryo AMI Sea Lee Fraction Welch 3157 AM 35:: 3% 1/day 30 m :: Ocean/Cryo Sonbeat Sea Lee Lead (Open-Water) Fraction Welch 3156 AM 5%:: 5% 1/day 25 km :: Ocean/Cryo AMI Sea Lee Temperature Welch 3166 AM 5%:: 5% 1/day 25 km :: Ocean/Cryo AMI Sea Lee Temperature Welch 360 30 m :: Ocean/Cryo 30 m :: Ocean/Cryo 30 m :: Ocean/Cryo AMI Sea Lee Temperature Welch 3120	ASTER	VW1	Cloud Optical Depth	Welch	2310				3% :: 3%	1/(16 day)	15-30 m :: L	N/A :: Cloud
AMI Cloud Temperature, Top Weich 2463 Korr, Soroodiin 2462 BM 5% :: 5% 1/hr 500 m:: Land/R 500 m:: Land/R AMI Sea Jee Fraction Weich 3152 BM 5% :: 5% 1/hr 500 m:: Land/R 500 m:: Land/R AMI Sea Jee Fraction Weich 3152 AM Carl 1/day 30 m:: Ocean/Cryo AMI Sea Jee Fraction Weich 3156 AM 5% :: 5% 1/day N/A :: Ocean/Cryo AMI Sea Jee Fraction Weich 3156 AM 5% :: 5% 1/day N/A :: Ocean/Cryo AMI Sea Jee Lead (Open-Water) Fraction Weich 3157 AM 5% :: 5% 1/day 10 km :: Ocean/Cryo AMI Sea Jee Lead (Open-Water) Fraction Weich 3157 AM 5% :: 5% 1/day 100 km :: Ocean/Cryo AMI Sea Jee Lead (Open-Water) Fraction Weich 3157 AM 5% :: 5% 1/day 100 km :: Ocean/Cryo AMI Sea Jee Lead (Open-Water) Fraction						Barron	2303	ΑM	3%:: 3%	1/day	30 m :: Ocean/L	N/A :: Cloud
AMI Sea Jee Fraction Welch 3152 AM 2.1 1/day 10 km :: R AMI Sea Jee Fraction Welch 3152 AM 2.5 AM 2.1 1/day 10 km :: R AMI Sea Jee Fraction Welch 3152 AM 0.1 ds :: 0.01 dg 1/day 30 m :: Ocean/Cryo 10 km :: R Scholoza 3157 AM 0.1 ds :: 0.01 dg 1/day 30 m :: Ocean/Cryo 30 m :: Ocean/Cryo Simard 3157 AM 55c. 35c 1/day 1/day 10 km :: Ocean/Cryo AMI Sca_Jee Lead (Open-Water) Fraction Welch 3157 AM 55cm:: 35cm:: 1/day 10 km :: Ocean/Cryo AMI Sca_Jee Temperature Welch 3157 AM 25km :: 90 m :: Ocean/Cryo 90 m :: Ocean/Cryo AMI Sca_Jee Temperature Welch 3150 BM 0.3 K :: 90 m :: Ocean/Cryo 90 m :: Ocean/Cryo AMI Sca_Jee Temperature Welch 3120 BM 0.3 K ::	ASTER	VW!	Cloud Temperature, Top	Weich	2465				2K::2K	11(16 day)	7::w06	N/A :: Cloud
AMI Sea Ice Fraction Welich 3152 AM 2::1 1/day 10 km:: R AMI Sea Ice Fraction Welich 3157 BM 5%::5% 1/day 30 m:: Ocean/Cryo Simard 3167 AM \$ 5%::5% 1/day N/A:: Ocean/Cryo Simard 3156 AM \$ 5%::5% 1/day N/A:: Ocean/Cryo AMI Sea Ice Lead (Open-Water) Fraction Welch 366 AM 5%::5% 1/day 10 km:: Ocean/Cryo AMI Sea Ice Lead (Open-Water) Fraction Welch 367 AM 5%::5% 1/day 35 km:: Cean/Cryo AMI Sea Ice Lead (Open-Water) Fraction Welch 367 AM 5%::5% 1/day 90 m:: Ocean/Cryo AMI Sea Ice Lead (Open-Water) Fraction Welch 366 BM 5%::5% 1/day 90 m:: Ocean/Cryo AMI Sea Ice Temperature Welch 360 BM 0.3 K:: 5% 1/day 90 m:: Ocean/Cryo AMI Sea Ice Temperature Welch						Kerr, Sorooshina	2462	BM	5%:: 5%	1/hr	S00 m :: Land/R	Cloud
AMI Sea Lee Fraction Welch 3152 AM AM 2::1 1/day 10km: R 10km: R Scoloca 3152 Barron 3167 BM 5%::5% 1/day 30 m:: Ocean/Cryo 10m:: Ocean/Cryo Scoloca 3158 AM 0.1dg:: 0.01 dg 1/day N/A:: Ocean/Cryo 10m:: Ocean/Cryo Scoloca 3158 AM 5%:: 5% 1/day N/A:: Ocean/Cryo 10m:: Ocean/Cryo AMI Sca_Ice Lead (Open-Water) Fraction Welch 3157 AM 5%:: 5% 1/day 10km:: Ocean/Cryo AMI Sca_Ice Temperature Welch 367 AM 5%:: 5% 1/day 10km:: Ocean/Cryo AMI Sca_Ice Temperature Welch 3167 AM 5%:: 5% 1/day 10km:: Ocean/Cryo AMI Sca_Ice Temperature Welch 316 BM 5%:: 5% 1/day 10km:: Ocean/Cryo AMI Sca_Ice Temperature Welch 316 BM 5%:: 5% 1/day 90 m:: Ocean/Cryo						Sellers	2457	WV				
AMI Sea Jce Fraction Welch 3152 Barron 3167 BM \$\$\psi\$=:\$\$\psi\$=\$ \text{1}\text{lday}\$ 90 m :: Ocean/Cryo 00 m :: Ocean/Cryo Sco Jce Lead (Open-Water) Fraction Welch 3167 BM \$\$\psi\$=:\$\$\psi\$=\$ \text{1}\text{lday}\$ \$\$\text{N/A}\$ \$\$\text{0}\text{in:}\$ \text{1}\text{lday}\$ \$\$\text{N/A}\$: Ocean/Cryo \$\$\text{0}\text{in:}\$ \text{0}\text{in:}\$ \text{0}\text{0}\text{in:}\$ \text{0}\text{1}\text{1}\text{1}\text{2}\text{1}\te						Barron	2459	ΑM	2::1	1/day	10 km :: R	N/A :: Cloud
Barron 3167 BM 5%:5% 1/day 30 m: Ocean/Cryo	ASTER	VMI	Sea Ice Fraction	Welch	3152						90 m :: Ocean/Cryo	N/A :: SÆ
Scokosz 3158 AM 0.1 dg :: 0.01 dg 1/day N/A :: Ocean/Cryo Simard 3196 AM 5- 500 m:: 0.1 dg :: 0.01 dg 1/fd day) 500 m:: Canad4/R AMI Sea_Ice Lead (Open-Water) Fraction Welch 3157 AM 5% m:: 5% 1/fd day) 25 km :: Ocean/Cryo AMI Sea_Ice Lead (Open-Water) Fraction Welch 3157 AM 5% m:: 5% 1/fd day) 25 km :: Ocean/Cryo AMI Sea_Ice Lead (Open-Water) Fraction Welch 3157 AM 5% m:: 5% 1/fd day) 25 km :: Ocean/Cryo AMI Sea_Ice Temperature Welch 3619 Barron 3150 BM 5% m:: 5% 1/day 100 km :: Ocean/Cryo AMI Sea_Ice Temperature Welch 3619 BM 0.3 K :: 5% 1/day 100 km :: Ocean/Cryo						Ваттоп	3167	BM	5% :: 5%	1/day	30 m :: Ocean/Cryo	N/A :: Sfc
Simard 3196 AM So 1/(7 day) 500 m:: Canad4/R Abbott 3156 AM Srb.:: 5rb. 1/(4ay) 25 km:: Ocean/Cryo AM1 Sea_Ice Lead (Open-Water) Fraction Welch 3617 Barron 3165 BM Srb.:: 5rb. 1/(4ay) 25 km:: Canad4/R Canad4/R AM Srb.:: 5rb. 1/(7 day) 25 km:: Canad4/R Canad4/R AM Srb.:: 5rb. 1/(7 day) 25 km:: Canad4/R Canad4/R AM Srb.:: 5rb. 1/(7 day) 1						Srokosz	3158	νw	0.1 dg :: 0.01 dg	1/day	N/A :: Ocean/Cryo	N/A :: Sfc
AMI Sea Let Lead (Open-Water) Fraction Welch 3517 AM Sfb.:: 5fb 1/fd sty) 25 km :: Ocean/Cryo AMI Sea Let Lead (Open-Water) Fraction Welch 3617 AM 25km :: 0 1/fd sty) 25 km :: Ocean/Cryo 25 km :: Ocean/Cryo AMI Sea Let Lead (Open-Water) Fraction Welch 3617 AM 25km :: 0 1/fd sty) 25 km :: Ocean/Cryo 90 m :: Ocean/Cryo AMI Sea Let Temperature Welch 3619 Burron 3120 BM 0.3 K :: 5 1/dsy 100 km :: Ocean/Cryo						Simend	3196	AM S	500 m ::	1/(7 day)	S00 m :: Canada/R	N/A :: Sfc
Sea Let Lead (Open-Water) Fraction Welch 3617 Sea Let Lead (Open-Water) Fraction Welch 3617 Sea Let Lead (Open-Water) Fraction Welch 3617 Sea Let Temperature Welch 3619 Simard 3120 Shh 0.3 Km; 1/day 1/d						Abbott	3156	WV		1/day	25 km :: Ocean/Cryo	N/A :: Sfc
AMI Sea_Ice Lead (Open Water) Fraction Welch 3617 AM 25km:: I/(7 day) 25 km:: Canada/R Open :: Cream/Cryo AMI Sea_Ice Temperature Welch 3619 Barron 3156 BM 5%:: 5% 1/day 100 km:: Ocean/Cryo AMI Sea_Ice Temperature Welch 3619 Simard 3120 BM 0.3 K:: 90 m:: Ocean/Cryo						Barross	3168	νW	5%:: 5%	1/day	10 km :: Ocean/Cryo	N/A:: Sfc
AMI Sea_Ice Temperature Welch 3617 Barron 3156 BM 5%::5% 1/day 100 km :: Ocean/Cryo AMI Sea_Ice Temperature Welch 36/9 Simard 3120 BM 0.3 K:: 90 m :: Ocean/Cryo						Simard	3157	VΜ	25km ::	1/(7 day)	25 km :: Canada/R	N/A :: Sfc
AM1 Sea_IceTemperature Welch 3619 Barron 3120 BM 5%::5% 1/day 100 km :: Ocean/Cryo Simard 3120 BM 0.3 K:: 90 m :: Ocean/Cryo 1.00 km :: Ocean/Cryo	ži (s	VW.	Sea Ice Lead (Open-Water) Fraction	Weich	3617						90 m :: Ocean/Cryo	NIA :: SF
AM1 Sea_Ice I emperative Welch 3619 Simard 3120 BM 0.3 K:: 90 m:: Ocean/Cryo	5					Barron	3166	BM	5%:: 5%	1/day	100 km :: Ocean/Cryo	N/A:: Sfc
3120 BM 0.3 K:: :: Carnada,R	3	W.	Sea Ice I emperature	Welch	36/9						90 m :: Ocean/Cryo	NIA :: Sfc
					1	1	3120	BM	0.3 K ::		:: Canada/R	N/A :: Sfc

Appendix M: IDS Input Requirements and Match Products by Instrument

Mail			Instrument Output Data Product	ta Product		· IDS Input Regirements	11 Regire	ements	Accuracy	Temporal	Horizontal	Vertical
Mil Sat Continue March	Instrumen	Platforms Pro	oduct Name	TM	# po	Investigator	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Mail Sacja Trajectorio Trajectorio Trajector	ASTER	AM! Sea	ice Temperature	Welch	3619	Bates	2489	ВМ		1/day	10 km :: Polar	N/A :: Sfc
Mail Set Ladel December Mail Set December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel December Mail Set Ladel Set S	ASTER		sfe Temperature (SST)	Weich	3620						90 m :: Ocean/Cryo	NIA :: SJE
AMI Sale jut Liesd (Open Water) Size date-bride wide) 1921 Barren 1964 Size jut Liesd (Open Water) Size date-bride wide) 1964					•	Brewer	2510	ВМ	0.5 K :: 0.5 K	1/day, 1/scas	30 m :: Ocean/L	N/A :: Sfc
Mail Sep Lat Mail Sep Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Mail Sep Lat Se	ASTER		Ice Lead (Open Water) Size-distribu	tion Welch	3622						90 m :: Ocean/Cryo	NIA :: Sfr
Mil. Sar Latthbas Web Sar					*	Ватгоп	3166	BM	5%:: 5%	1/day	100 km :: Ocean/Cryo	N/A :: Sfc
Part Part	ASTER		Ice Albedo	Welch	3624						90 m :: Ocean/Cryo	N/A :: Sfc
TRAINALM Chard Fight Septem 150 Septem 15	i 				d	Ваттоп	3006	BM	5%:: 5%	1/day	30 m :: Land/L	N/A:: Sfc
Mail Chard Liqui, Water Court Works 1507 1804 1805 1804 1805 1804						Dickinson	3362	BM			<0.5-1 deg :: Ocean/Cryo	
Mail Chard Drop Sts., Astroheman Mail	ASTER		nd Liquid Water Content	Welch	3626					11(16 day)	7 :: ₩ 06	N/A :: Cloud
TRM AMIN Chad Negle, Sare Services 1207 Elemen 1705	<u> </u>				1	Kerr, Sorooshian	5061	BM			30 m :: Lend/R	:: Cloud
TRM AM PM Cloud Drop Size , Arm Public 1927 Decisione 1937 BM Decisione 1938 BM Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Bm Decisione 1939 Decisione 1939 Bm Decisione 1930 Bm Decisione 1930 Bm Decisione 1930 Bm Decisione 1930 Bm Decisione 1930 Bm Decisione 1930 Bm Decisione 1930 Bm Decisione 1930 Bm Decisione 1930 Bm Decisione 1930 Bm Decisione 1930 Bm Decisione 1930 Bm Decisione 1930 Bm Decisione					•	Barron	1903	MA.	0.1 :: 0.05	1/day	10 km :: R	1 Irm :: Cloud
TRMAMIN Charlingly, Base Bachteron 1991 Base 1992 Base 1994 199	ASTER	l	nd Drop Size distribution	Welch	3627					11(16 day)	7 :: w 06	N/A :: Cloud
TRMAMIN Challingle, Day Bank Triangle	í į					Dickinson	3348	BM			0.5-1 deg :: G	
TRAJALIN Condition					•	Hartmans	1775	BM	20% :: 20%	1/day	10 km :: 0	0-15 km :: Cloud
No. of the Control	CERFC	TRM AM PM Clo	nd Heiobi. Bare	Barkstrom	1393				1.0 km :: 0.1 km	61day (d.n.)	25 km :: G	0.1 km :: Atmos
Wickleth 1369 BM 11m:0.1 km 2day [4]a 250m:2 P 20 cm 2 c			,			Bates	1383	BM	:: 100 mb		25 km :: G	100 mb :: Cloud
Weided 1549 BM Olive: Olive 1449 100 he: C 1449 100 he: C 1449 100 he: C 1449 100 he: C 1449 100 he: C 1449 100 he: C 1449 100 he: C 1449 100 he: C 1449 1					-	Wielicki	1386	BM	1 km :: 0.1 km	6/day [d,n]	25-100 ten :: G	0.1 km :: Atmos
TRM AMP Cloud Hight, Top Earthrow 150 Earthrow						Wielicki	1388	BM	0.1 km :: 0.1 km	2/day [d,n]	50 km :: R	0.1 km :: Atmos
Review 150 Berner 150 Bern						Barron	1380	BM	100 m :: 50 m	1/day	100 len :: G	100 m :: Cloud
TRM.AM.PM Cloud High, Base Barteron 154 Base 120 mis 1100 mis 1100 mis 1100 mis 1100 mis 1100 mis 1110 mis 1						Ваттоп	1381	BM	100 m :: 50 m	1/day	10 km :: R	100 m :: Cloud
TRM AMP Cloud High, Base Bustinom 1394 Base 1314					-	Kerr, Sorooshim	1385	BM	200m :: 200m	1/41	1 km::Lend	100 mb :: Trop
TRM.AM.P.M. Cloud Height, Rate Barkeron 1305 Barron 1306 Barkeron 1305 Barron 1300 Barkeron 1300 Barkeron 1300 Barkeron 1300 Barkeron 1300 Barkeron 1420 Barkeron 1430 Barkeron 1430 Barkeron 1431 Barkeron 1432 AAN Barkeron 1432 AAN Barkeron 1432 AAN Barkeron 1432 AAN Barkeron 1432 AAN Barkeron 1432 AAN	25050	TPM AM PM CIA	and Heinht Rose	Barkstrom	1394				1.0 km :: 0.1 km	11(6 hr)	125 x 1.25 dg :: G	0.1 km :: Atmos
TRM.AM.PM Cloud Hiegh, Base Barktrow 1359 Barktrow 1350 Barktrow 1350 Barktrow 1350 Barktrow 1430 Barktrow 1430 Barktrow 1430 Barktrow 1430 Barktrow 1431 Barktrow 1431 Barktrow 1432 Barktrow 1432 Barktrow 1433 Barktrow 1433 Barktrow 1433 Barktrow 1433 Barktrow 1434 Barktrow 1435 Aaktrow 1445 Image I	3	TO ME PROPERTY.				Batca	1384	BM	:: 100 шР	1/(6 hz)	1x1dg::G	100 mb :: Cloud
Parcol 1380 BM 100 mi :50 m 14dy 100 km; G	CEBEC	TRM AM PM CIA	and Heisht Rate	Barkstrom	1395				1.0 km :: 0.1 km	IIday (Avg), Ilmo (Avg)	125 x 125 dg :: G	0.1 km :: Asmos
Dickinson 1429 BM S9n m; I livk S70 bm; C C C	3	TO ME PROPERTY.				Barron	1380	BM	100 m :: 50 m	1/day	100 km :: G	100 m :: Cloud
TRMAMPM Cloud Height, Top Barkarom 1429 BAM Som :: 0 1,944 Storm :: 0 Storm ::						Dickinson	3342	BM				
TRMAMP Cloud Height, Top Bankthrow 1429 BM 0.5 km; 0.1 km 0.6 km 0.5 km; 0.7 0.0 0.0 0.1 km; 1.8 0.0 km; 0.1 km 0.0 km; 0.1 km; 1.8 0.0 km; 0.1 km; 1.8 0.0 km; 0.1 km; 1.8 0.0 km; 0.1 km; 1.8 0.0 km; 0.1 km; 1.8 0.0 km; 0.1 km; 1.8 0.0 km; 0.1 km; 1.8 0.0 km; 0.1 km; 1.8 0.0 km; 0.1 km; 1.8 0.0 km; 0.1 km;					-	Hansen	1399	BM	:: 0 S	1/wk	500 km :: G	:: Cloud
Wellekti 1412 BM 0.5 km: 0.1 km 56.49 (d.n.) 25:100 km: 0.0 C Barron 1413 BM 100 m: 25 m 1(day) 25:100 km: 0.0 0.55:10.3 2(day) (d.n.) 25:100 km: 0.0 0.55:10.3 2(day) 0.55:10.3 0.55:10.3 2(day) 0.55:10.3	SEBEC	TRM AM PM CIO	and Height Ton	Barkstrom	1429				1.0 km :: 0.1 km	6/day [d,n]	25 km :: G	0.1 km :: Atmos
Burnos 1413 BM 100 m :: 25 m 1/day 10 km :: R Harris 3437 BM 100 m :: 25 m 1/day 20-50 km :: Oceau/R Harris 3437 BM :: 100 mb 1/6 km 1/d km 1			L	i		Wielicki	1422	BM	0.5 km :: 0.1 km	(4,b) (4,n)	25-100 km :: G	0.1 km :: Atmos
Huris 343 BM 0.5 m 1.0 mb 1.1 day 2.0-50 km 2.0-50						Barron	1413	BM	100 m :: 25 m	1/day	10 km :: R	100 m :: Cloud
Dickinson 3349 AM 100 mb 1/6 hr) 1x1 dg :: 0 1x1 dg :: 0					_	Harris	3437	BM	0.5 :: 0.3	2/day	20-50 km :: Ocean/R	
Baces 1415						Dickinson	3349	ΨV			<0.5-1 deg :: G	
TRM.AM.PM Cloud Heigh, Top Barktrom 1430 Barktrom 1410 Barktrom 1410 Barktrom 1410 Barktrom 1411 BM 100 m :: 25 m 1/day 1/25 x 1.25 dg :: G C						Bates	1415	W	:: 100 mb	1/(6 hr.)	1x1dg::G	100 mb :: Cloud
TRM AMP M Cloud Height, Top Barktrom 1430 BM 100 m.: 25 m 11day [Avg], Ilmo [A						Bates	1416	W	0.5 km :: 0.25 km	2/day [d,n]	15 x 45 km :: G	N/A :: Cloud
Barron 1412 BM 100 m :: 25 m 100 bm :: G	CERES	TRM AM PM Ch	oud Height, Top	Barkstrom	1430				1.0 km :: 0.1 km	11 day [Avg]. Ilmo [Avg]	125 x 125 dg :: G	0.1 km :: Atmos
Dickinson 3349 BM 1 km :: A05-1 deg :: O						Ваттоп	1412	BM	100 m :: 25 m	1/day	100 lenn :: G	100 m :: Cloud
Numberni 1418 BM 11km :: 1/aky 100 km :: Polare						Dickinson	3349	BM			<05-1 deg :: 0	
Rothrock 1419 BM 0.2km::0.2km 1/4kky 100 km:: Poler 100 km 1/4kky 100 km 1/4kky 100 km 1/4kky 100 km 1/4kky 1/4kkyy 1/4kkyy 1/4kkyy 1/4kkyy 1/4kkyy 1/4kyy 1/4k						Murakami	1418	BM	1 km ::			:: Cloud
Hansen 1431 Baics 1415 BM SO m:: 1/16 kr) 125 x 1.25 dg :: G C TRM AM, PM Cloud Height, Top Barkstrom 1431 Baics 1415 BM : 100 mb 1/(6 kr) 1.25 x 1.25 dg :: G C Rodtrock 1419 BM 0.2km :: 0.2km 1/day 100 km :: Poler Murakami 1418 AM 1 km :: G C C C Wielbeki 1422 AM 0.3km :: 0.1km 5/04y d.n. 25-100 km :: G Hansen 1767 Baics 1759 AM 50 m :: 1/day 1/day 125 x 1.25 dg :: G TRM AM, PM Cloud Drop Phate Barkstrom 1767 Baics 1759 AM 1/day						Rothrock	1419	BM	0.2km :: 0.2km	1/day	100 km :: Poler	:: Cloud
TRM.AM.PM Cloud Height, Top Barkstrom 1431 Baico 1415 BM :100 mb 1/(6 hr) 1.25 x 1.25 dg :: G 1.4 m 1/(6 hr) 1.4 1 dg :: G 1.4 m 1/(6 hr) 1.4 1 dg :: G 1.4 m 1/(6 hr) 1.4 1 dg :: G 1.4 m 1/(6 hr) 1.4 1 dg :: G 1.4 m 1/(6 hr) 1.4 1 dg :: G 1.4 m 1/(6 hr) 1.4 1 dg :: G 1.4 m 1/(6 hr) 1.4 m						Harrsen	1399	BM	:: e0\$	1/wk	500 km :: G	:: Cloud
Rolfrock 1415 BM ::100 mb 1/6 hr) 1x1 dg ::0	SEREC	TRM AM PM CL	oud Height Top	Barkstrom	1431				0.5 km :: 0.1 km	11(6 hr)	125 x 125 dg :: G	0.1 km :: Atmos
Rodtrock 1419 BM 0.2km :: 0.2km 1/day 100 km :: Poler						Batcs	1415	BM	:: 100 mb	1/(6 hr)	1 x 1 dg :: G	100 mb :: Cloud
Murakani 1418 AM 1 km:: 6/day [d.n] 25-100 km :: G Wielicki 1422 AM 0.5 km :: 0.1 km 6/day [d.n] 25-100 km :: G Hansen 1767 Hansen 1767 AM 50 m :: 1/wk 1/wk 500 km :: G TRM AM, PM Cloud Drop Phare Barkstrom 1767 Barcs 1759 AM 90% Conf :: 90% Conf :: 90% Conf :: 1/mo [Avg] / 1/mo [Avg] / 1/mo [Avg] 125 x 1.25 dg :: G						Rothrock	1419	ВМ	0.2km :: 0.2km	1/day	100 km :: Poler	:: Cloud
Wielicki 1422 AM 0.5 km:: 0.1 km 6/day [d.n] 25-100 km:: G Hansen 1399 AM 50 m:: 1/wk 500 km:: G TRM AM, PM Cloud Drop Phase Barkstrom 1767 Barcs 1759 AM 90% Conf.: 90% Conf.: 90% Conf.: 90% Conf.: 1/mo [Avg]. 1/mo [Avg] 1.25 x 1.25 dg :: G						Murakani	1418	WV	1 km ::			:: Cloud
Hansen 1399 AM 50 m: 1/wk 500 km: G 100 km : G						Wiebcki	1422	Ą	0.5 km :: 0.1 km	6/day [d.n]	25-100 lzm :: G	0.1 km :: Atmos
TRM.AM.PM Cloud Drop Phate Barkstrom 1767 Batca 1759 AM 100% Conf.:: 90% Conf.						Hensen	1399	Æ	30 m ::	1/wk	500 km :: G	:: Cloud
Battes 1759 AM 1/day, 1/mo 1 dg.: G	CEBEC	TRM AM PM CL	loud Drop Phase	Barkstrom	1767				90% Conf :: 90% Conf	Ilday [Avg]. Ilmo [Avg]	125 x 1.25 dg :: G	N/A :: Atmos
	3	o w right will				Bates	1759	ΑM		1/day, 1/mo	1 dg :: G	N/A :: Cloud

Appendix M: IDS Input Requirements and Match Products by Instrument

The Attendance of the Attendan		1	mo input requeriments			Accuracy	To to the same	Horizontal	Vertical
	M.	Prod #	×	Frod #	Prod # Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
	Barkstrom	1767	Dickinson	3346	ΑM			<0.5-1 des ∴ O	
	Barkstrom	1768				90% Conf .: 90% Conf	6/day (d.n)	25 km :: G	N/A Abuse
			Dickinson	3346	BM			40.5-1 des :: G	
			Wielicki	1961	M	90% Conf :: 90% Conf	6/day [d n]	25.100 km :: G	M/A :: At-
	Barkstrom	6921				90% Conf .: 90% Conf	11(6 Art)	1.35 1.35 1	N/A :: Auros
		•	Batca	1759	Ą	,	1/dev 1/mo		MAN ADMOS
			Setlers	1984	AM.4				DOOD :: WAY
			Hartmann	1785	Ā	0.02 :: 0.02	1/day	10 km :: Ocean	N/A : Cloud
TRMAM, PM Cloud Drop Size Effective Radius)	Barkstrom	1783				30% .: 10%	Ilday (Avgl. Ilmo (Avg)		N/A · Afmos
			Bates	1771	BM	0-40% :: 5%	1/dary, 1/mo		N/A : Cloud
			Dickinson	3347	νγ			<0.5-1 deg :: 0	
IRM AM.PM Clond Drop Size(Effective Radius)	Barkstrom	7 6				30% :: 10%	6/day [d.n]	25 km :: G	N/A :: Abnor
		1	Dickinson	3347	BM			<0.5-1 deg :: O	
			Wielicki	1772	BM	30% :: 10%	(day [d.n]	25-100 km :: G	N/A :: Atmos
TRMAM, PM Cloud Liq water Content	Barkstrom	1895				75% :: 10%	1/(6 hr)	125 125 40 6	A Admin
		•	Batca	1894	ВМ	:: 75%	1/(6 hr)	1 1 40	1yr April
			Hartmann	1919	W	500:000	16482	0:30141	E
	Barkstrom	9681				75% 10%	1-6142019	10 km :: Ocean	Column :: Irop
		-	Dickinson	3357	BM		furnit francis	0	tyr .: Atmos
			Wielicki	9061	BM	20% :: 10%	2/dev [d n]	0 :: 800 FCC	MA
			Wielicki	1901	BM	\$0\$:: 10\$	(up) (any	D:: -1001 3c	N/A :: Atmos
		•	Barron	1902	¥	0.1 :: 0.05	1/day	D: mi 001	N/A :: Almos
			Batcs	183	WV	:: 75%	1/(6 hr)	l'alde::G	1 Kut :: C.606
			Berron	1903	Ą	0.1::0.05	1/day	10 km : R	1 Per Co. 194
TRMAM, PM Cloud Lig_water Content	Barkstrom	1897				75% :: 10%	Ilday (Avel. Ilmo (Avel		i Kali :: Croud
			Dickinson	3357	BM			<u> </u>	tomer y.
			Battos	1894	ΑM	:: 75%	1/(6 hr)	1x1de:: G	Nr :: 0-30 km
TRMAM.PM Cloud Liq_water Total Column	Barkstrom	668/				50% :: 10%	IIday [Avg]. Ilmo [Avg]	7	Column :: Atmos
		1	Lau	1920	BM	50:0 :: 0:05	1/day		N/A :: Troo
			Sellers	1921	BM				
IRMAM,PM Cloud Liq_water Total Column	Barkstrom	<u>8</u>				50% :: 10%	6/day [d.n]	25 km :: G	Column :: Atmos
		1	Abbott	1918	BM	10% :: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	Column :: Trop
			Srokosz	1922	ВМ	10% :: 0.1kg/m^2	2/day	10 km :: Ocean [South Atlan]	N/A :: Trop
IRMAM, PM Cloud Lig water lotal Column	Barkstrom	्रा 8				\$01 :: 10%	11(6 hr)	125x125 dg :: G	Column :: Atmos
			na T	0261	¥	0.05 :: 0.05	1/day	100 km :: G	N/A :: Trop
The second of th	Darkstrom					2%::05%		10 dg (Angle) :: G	NIA .: Sfc. Abmos
		L	Wielicki	2028	BM	2%::1%		10 dg [Angle] :: G/clr	N/A :: Sfc, Atmos
			Wielicki	9202	BM	2%::1%		10 dg [Angle] :: O/cld	N/A :: Sfc, Atmos
IKM AM, FM Land aft Reflectance, Bi-directional, SW_Bri Barkstrom	rı Barkstrom	~ \$6 \$				5%::1%		10 dg [Angle] :: G	N/A .: Sfc. Atmos
			Sellers	2034	BM				
			Wielicki	2044	BM	5%:: 2%		10 dg [Angle] :: G	N/A :: Sfc. Atmos
	Barkstrom	7080				5% :: 2%	6/day [d.n]	25 km :: G	N/A :: Abnos
		i	Dickinson	3344	BM			Med_res :: 0	
		1	Wielicki	306	BM	5%:: 2%	(d,n) (d,n)	25-100 km :: G	N/A :: Atmos
			Tes.	2054	BM	5%:: 5%	2/day	50 km :: R	N/A :: Atmos
		_1	Harris	3436	BM	5-10%:: 2-5%	2/day	5-50 km :: Ocean/R	
			Bace	202	AM S	0.05 :: 0.025	2/day [d,n]	15 x 45 lm :: G	N/A :: Cloud
			=						

Appendix M: IDS Input Requirements and Match Products by Instrument

Proof Breedigation Proof Match Type Abs :: Re Recolution Recol :: Cover. Re State 2023		Instrument Output Data Product	Product		IDS Input Regirements	it Regir	ements	Accuracy	Temporal	Horizontal	Vertical
TRAADA Chat Cross Red for the control 200 AM 1975 1974 1464 114	Instrumen	t Platforms Product Name	TM	Prod #	Investigator	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
State 2015 AM 1945. 1144 11	CERES	TRMAM,PM Cloud Cover	Barkstrom	2086	Murakami	8502	Æ	10% ::			N/A :: Cloud
The color of the					Simerd	2056	ΑM	5%::		:: Canada/R	N/A :: Cloud
Holinest 2006 Holinest Holinest 2006 AA4 Section Holinest H					Bates	2073	Wγ	:: 10%	1/(6 址)	1 x 1 dg :: G	N/A :: Cloud
Hearest 2015 AM					Rothrock	2076	ΑM	0.1:: 0.1	1/day	100 km :: Polar	N/A :: Cloud
Finely December					Hanson	202	MΑ	3%:	1/wk	500 km :: Q	:: Cloud
TRHAMIN Charleton 107 Base 209 MAI 58 -25 1164					Isacks	2053	AM		1/wk	5 km :: Land/R	N/A :: Cloud
TRM AM PM Charleton Barteron 2007 Barteron 2007 Barteron 2007 Barteron 2007 Barteron 2007 Barteron 2008 AM 5.8.2.3 14.04.9 13.14.4.9 10.0m.: CO CO					Barron	2049	WV	5::3	1/day	100 len :: G	N/A :: Cloud
Salara 2029 2014 575 116 bb	CERES	TRM,AM,PM Cloud Cover	Barkstrom	2087				5% :: 2%	11(6 hr)	1.25 x 1.25 dg :: G	N/A :: Atmos
Sinner 2009 2M 59 2 1 1 1 1 1 1 1 1 1					Batcs	2073	BM	#01 ::	1/(6 hz)	1 x 1 dg :: G	N/A :: Cloud
Historia 2005 AM 35 194 194 1900 Bin 1900 Bin 194					Sellers	502	BM		4/day	100 lzm ::	0.5 km :: Trop
History Hist				•	Simend	9502	ΣĮ	5%::		:: Canada/R	N/A :: Cloud
TRM AME PM Chard Creet					Hamsen	202	Ą	3%::	1/vt	500 km :: G	:: Cloud
TRM AM, PM Chad Care					Barron	2049	₩.	5::5	1/day	100 km :: G	N/A :: Cloud
Button 1000	CERES	TRM AM, PM Cloud Cover	Barkstrom	2088					Ilday (Avg), Ilmo (Avg)	125 x 125 dg :: G	NIA :: Atmos
Pariston 1945 1945 1944 194					Barron	ŠŠ	BM		1/day	100 km :: G	N/A :: Cloud
Decision 3145 BM 1045 B					Batos	2074	BM	10% :: 5%	1/day, 1/mo	148:: G	N/A :: Cloud
Produced 2006 Edition 100 Edition					Dickinson	3345	BM M			Low_res :: G	
Handra 2005 BM 346 1 1649 100 tons; Folse No. 1 1 1649 100 tons; Folse No. 1 1 1649 100 tons; Folse No. 1 1 1649 100 tons; Folse No. 1 1 1649 100 tons; Folse No. 1 1 1649 100 tons; Folse No. 1 1649 100 tons; Folse No. 1 1649 16					Murekemi	2058	E E	10%			N/A :: Cloud
History 2023 AM Sfs.: John Stochastic Flux Divergence, Clear-left Stochastic Flux Divergence, Clear-left Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State Stochastic Flux Divergence, Clear-left State State Stochastic Flux Divergence, Clear-left State State State Stochastic Flux Divergence, Clear-left State State State Stochastic Flux Divergence, Clear-left State Sta					Rothrock	2076	BM	0.1 :: 0.1	1/day	100 km :: Poler	N/A :: Cloud
Line 2056					Hansen	2022	E.	3%::	1/wk	S00 lan :: G	:: Cloud
Sinued 2056 AM 5%:: 1 Iday 100 hm:: 0 0.					ii.	2055	¥			:: Ocean	N/A :: Cloud
TRM AM, PM Radiative Flux Divergence, Clear Ary Backform 2147 Backform 2148 Backform 214					Ta di	Š	NA	48 7		:: Canada/R	N/A :: Cloud
TRM AMP Radiative Flata Divergence, Claush, 249 Burktrom 2147 Hausen 2257 RM 100 km; 15 km;					Beter	3 8	AME	: 85	1 Alav	D:: m4 001	0.5 km :: Trop
TRM AMP Redigive Flux Divergence, Clear-isty Barktroom 2145 Solien 2377 AM 1.0% 5% 1166 hJ 123 x 123 dg G D D D D D D D D D					1	ŝ) NA	26 (at	1/day	U : #4001	N/A ::
TRM AM PM Radiative Flux Divergence, Clear-187 Barktorn 2144 Hansen 2357 BM Orkehi25%-del : 5%-kel/10%-de 3(day day) 123 x 123 dg :: G D D D D D D D D D					n Call	2 2		50 S.C.	186 he)	0 : ap 1 * 1	N/A : Cloud
TRMAMPH Radiative Flux Divergence, Clear-15ty Barktrom 2145 Hunern 2157 BM 109615th 1154 grid					DWG	6		201:	1,42. (4)	7 : 47 3C 1 - 3C 1	Par :: Abanga
TRM AM PM Redictive Flux Divergence, Clear-ity Barktrom 2145 Welekei 2150 BM Orke-1028-edd :: Skelr/108-cd Ske	CEKES	IKM AM. PM RODUSIVE FILK DIVERGENCE, CIEST-3KY	Barkstrom	***	Unana	252	ΒM	&C :: & O.	18au Jumi Lagi	Sonta Sonta	,
TRM.AM.PM Radiative Flux Divergence, Clear-157 Barktrom 2140 Whelicki 2150 BM Obserti25%-deli:5%-ch/10%-ci 5/day [cla] 1.25 dg::0				1	nauscu	100	NO.	20 201	1-71-619	5 :- + 3C I	her Absent
TRM AM, PM Radiative Flux Divergence, Cloudy, 4xy Barktrom 2146 Selers 2159 BM Offset/27 Sector 3 Sector 10 feb. 1.25 x 1.25 dg :: G 1.2	CERES	TRM, AM, PM Radiative Flux Divergence, Clear-sky	Barkstrom	2143		3.5		9.C :: 9.O.I	0/day [d.m]	0: # CT	ryr .: Amos
TRM AM PM Radiative Flux Divergence, Cloudy, 257 Barktrom 2146 Salers 2150 RM Orke, 175, 284 14649 125 x 1.25 dg :: G 1.25					Wielicki	2130	BM	UPCE/22 Pecid :: 3 Pecif UPC	lu'al Ap/q	0::8	:: Aunos
TRM AM PM Radiative Flux Divergence, Clear-sky Barkstrom 2145 Solders 2159 BM 2076;; 2076;					Wielicki	2152	BM	0%ch/25%cld :: 5%ch/10%cl	3/day [d]	1.25 dg :: G	:: Atmos
Soliers 2199 BM 20% :: 20% 4/day 100 km :: Land Wielicki 2150 AM 0%ch/25%cld : 5%ch/10%cl 6/day [d.n] 1.25 dg :: 0	CERES	TRM, AM, PM Radiative Flux Divergence, Clear-sky	Barkstrom	2146				10%:: 5%	1/(6 hr)	125x125 dg :: G	lyr :: Abnos
TRM_AM_PM Radiative Flux Divergence, Cloudy_sty Barkstrom 2147 Hinnen 2150 AM ONchrit25%cld : 5%c-br/10%cl 6/day [d.n.] 1.25 dg :: O 1.2					Sellers	2193	BM	20% :: 20%	4/day	100 km :: Land	0.5 km ::
TRM_AM_PM Radiative Flux Divergence, Cloudy_sky Barkstrom 2147 Hausen 2157 BM 0%ckpf5%cld :: 5%c.*10% 1/dxy 1/dxy 1/dx 1/dxy 1					Wielicki	2150	ΨV	0%clr/25%cld :: 5%clr/10%cl		1.25 dg :: G	:: Atmos
TRM AM, PM Radiative Flux Divergence, Cloudy, 4th Radiative Flux Divergence, Cloudy, 4th Radiative Flux Divergence, Cloudy, 4th Radiative Flux LW, Down 2148					Wielicki	2152	ΑM	0%ck/25%cld :: 5%ck/10%cl		1.25 dg :: G	:: Atmos
Hansen 2357 BM 1076::1076 1/wk 500 km::0	CERES	TRM, AM, PM Radiative Flux Divergence, Cloudy sty	Barkstrom	2147				25% :: 10%	liday (Avg), Ilmo (Avg)	125 x 125 dg :: G	hyr :: Atmos
Moore 156 110%					Hansen	7352	BM		1/wk	S00 km :: G	
TRM.AM.PM Radiative Flux Divergence, Cloudy_sky Barkstrom 2149 Sellers 2159 BM 20%::20% 446sy 100 km::Land 1.25 st 2.25 dg.::G	-				Moore	2360	WV	10% :: 10%	1/wk	1 km :: G	:: Clond
TRM_AM_PM Radiative Flux Divergence, Cloudy_sky Barkstrom 2149 Sellers 2159 BM S0%:: 20% 6/day [d.n] 125 dg:: G 125	CERES	TRM AM PM Radiative Flux Divergence, Cloudy sky	Barkstrom	2/48				50% :: 10%	11(6 hr)	125x125 dg :: G	byr :: Atmos
TRM_AM,PM Radiative Flux Divergence, Cloudy_sky Barkstrom 2149 Wheiketi 2150 BM O%c-br/25%cid :: 5%c-b/10%ci 6/day [d.n] 1.25 dg :: 0 TRM_AM,PM Radiative Flux, LW, Down Barkstrom 2160 BM O%c-br/25%cid :: 5%c-b/10%ci 3/day [d] 1.25 dg :: 0 Brewer 2163 BM 5 W/m/2 :: 2 W/m/2 :: 2 W/m/2 :: 2 W/m/2 1/day, 1/mo Avg 1.25 dg :: 0 Brewer 2255 BM 1/day, 1/ses :: Occan/L Disktinson 3375 BM 1/day, 1/ses :: Occan Kerr, Secroothism 2163 AM 10%c; 10% [diumal] 500 m: Land/R					Sellers	2193	BM	20% :: 20%	4/day	100 km :: Land	:: 112 1 5'0
Whelicki 2150 BM O%cb/D35%cld :: 5%cb/10%cl 6/day [d.n.] 1.23 dg :: 0 TRMAM,PM Radiative Flax, LW, Down Barkstrom 2163 BM 5 W/m/2 :: 2 W/m/2 1/day [d.n.] 1.23 dg :: 0 Brewer 2255 BM 1/day [Avg], 1/mo [Avg] 1/day, 1/hess :: Ocean/L Dickinson 3375 BM 1/day, 1/hess :: Ocean Kerr, Secrophism 2163 AM 10%c:: 10% [diumal] 500 m:: Land/R	CERES	TRM AM PM Radigive Flux Divergence, Cloudy sky	Barkstrom	2149				50% :: 10%	6/day [d.n]	1.25 dg :: G	sougy :: 4Q
TRMAM,PM Radiative Flax, LW, Down Barkstrom 2168 Weeker 2255 BM 5 W/m²2 :: 2 W/m²2 1/day [day] 1.25 dg :: 0 TRMAM,PM Radiative Flax, LW, Down Barkstrom 2163 BM 1/day [Avg], Ilmo [Avg] 1.25 x 1.25 dg :: 0 Brower 2255 BM I/day, 1/hess :: Occan Diskinson 3375 BM 1/day, 1/hess :: Occan Kerr, Secrophism 2163 AM 10%; 10% [dismal] 500 m: Land/R					Wielicki	2150	BM	0%cb/25%cld :: 5%cb/10%cl		1.25 dg :: G	:: Atmos
TRMAM,PM Radiative Flax, LW, Down Barkstrom 2168 BKewer 2255 BM 1/day, 1/heas <					Wielicki	2152	BM	0%clr/25%cld :: 5%clr/10%c		1.25 dg :: 0	:: Aunos
Brower 2255 BM 1/day, 1/heas :: Ocean, 1 Brower 2256 BM 1/day, 1/heas :: Ocean Distrinson 3375 BM	CERES	TRM AM PM Radiative Flux, LW, Down	Barkstrom	2168				5 W/m/2 :: 2 W/m/2	_	125 x 1.25 dg :: G	JS :: VIN
2256 BM !/day, l/sess :: Occan 3375 BM <0.5-1 deg :: O					Brewer	2255	BM		1/day, 1/scas	:: Ocean/L	
3375 BM <05-1 deg :: 0 2163 AM 10%: 10% [diumal] 500 m: Land/R					Brewer	2256	BM		1/day, 1/seas	:: Ocean	
2163 AM 10%: 10% [diumal] 500 m : Land/R					Dickinson	3375	BM			<05-1 deg :: 0	N/A :: Sfc ?
					Kerr. Sorooshian	_	W	10% :: 10%	[diumal]	500 m :: Land/R	:: Sfc

Appendix M: 1DS Input Requirements and Match Products by Instrument

Instrument Plat CERES TRM CERES TRM CERES TRM CERES TRM	Instrument Platforms Product Name CERES TRM AM, PM Radiative Flux, LW, Down	TM	*	Investigator Prod # Match Tune	You # N	Actah Tune			Resol :: Cover	Darol or Carre
	AM,PM Radiative Flax, LW, Down	Barkstrom		TILA CONTRACTOR		ABICH LYPE	A05 :: Ke	Resolution	::::	KESO :: COVEY.
			5977				7 W/m'2 :: 2 W/m'2	6/day [d.n]	125x125 dg :: G	NIA :: Sfe
			1		2165	BM	7 W/m^2 :: 2 W/m^2	(4m) (4m)	1.25 dg :: G	N/A :: Sfc
			1	_1	3375	BM			<0.5-1 deg :: G	N/A :: Sfc 7
				Kerr, Sorooshian	2163	VΜ	10% :: 10%	[diumal]	500 m :: Land/R	:: Sfc
	TRMAM.PM Radicaive Flux, LW, Down	Barkstrom	2170			-	7 W/m'2 :: 2 W/m'2	11(6 hr)	125x125 dg :: G	NIA :: Sfe
			1	Sellers	2164	BM	20% :: 20%	4/day	100 km :: Land	0.5 km ::
			1		3375	BM			40.5-1 dag :: G	N/A :: Sfc 7
			-	Kerr, Sorooshian	2163	BM	10% :: 10%	(diumal)	500 m :: Land/R	:: Sfc
	TRM, AM, PM Radiative Flux, LW, Net	Barkstrom	2180				7 W/m/2 :: 2 W/m/2	6/day (d.n)	125x125 dg :: G	NIA .: Sfe
				Wielicki	21.75	BM	7 W/m^2 :: 2 W/m^2	6/day [d,n]	1.25 dg :: G	N/A :: Sfc
			<u> </u>	Н	33.76	AM			<0.5-1 deg :: G	N/A :: Sfc ?
				Munkami	2183	ν	2%::			N/A :: Atmos
	TRMAM,PM Radiative Flux, LW, Net	Barkstrom	2181				7 W/m'2 :: 2 W/m'2	1/(6 hr)	125 x 125 de :: G	N/A :: Sfe
			1	Dickinson	3376	Æ			<0.5-1 des :: G	NA :: Sfc 7
				Murakami	2183	M	2% ::		: •	N/A .: Atmos
	TRM AM.PM Radistive Flux, LW, Net	Barkstrom	2182				\$ W/m/2 :: 2 W/m/2	Hiday (Avel Hims (Avel	125 4 125 40 6	1/A .: Aumos
			3	Barron	2185	M	\$. 01	1640	0::-1001	36 AM
			1	t	2255	E E		1 May 1 Acres	D. Branch	1/A :: 31C
			1,	\dagger	2256	E S		1 May 1 head		
			1	1	33.76	EM.		made 'd-nd		MIA CC. 3
				+	2 22 22	200	. 9 C		D :: Sap 1-CO>	N/A :: 316 /
				+	2137	Na Na	: 277		9	N/A :: Atmos
				\dagger	3.5	Ma	10W 4m A3 10df		:: Canada/K	
				1	316		201 :: 7 :: 10 20	Apply .	D:: #1000	N/A :: Sic
CERES TRM	TRM AM PM Badistine Flux 1 W 11-	A design of	500	-	817	E	0.7: 0.C	1/day	<30 km :: Ocean	N/A :: Sfc
	AM, I'M AMMENTER, LM, UP	Darkstrom	्रा २२ २२				3 Wim' :: I Wim'	Ilday (Avg). Ilmo (Avg)	125 x 1.25 dg :: G	N/A :: TOA
			_1	\dagger	2189	BM	10:: 5	1/day	100 km :: G	N/A:: TOA
				\dashv	23%	BM	10%::			N/A:: TOA
					3377	BM			<0.5-1 deg :: G	N/A:: TOA
				Bates	1612	BM		2/day [d,n]	50 km :: G	N/A :: TOA
CERES TRM,	TRM AM.PM Radiative Flux, LW, Up	Barkstrom	707				7 WIM'2 :: <7 WIM'2	61day [d.n]	125x125 dg :: G	N/A :: Sfc
				Wielicki	2195	ВМ	7 W/m^2 :: 2 W/m^2	6/day [d,n]	1.25 dg :: G	N/A :: Sfc
CERES TRM.	TRM AM, PM Radiative Flux, LW, Up	Barkstrom	7707				7 W/m/2 :: <7 W/m/2	1/(6 Ar)	125x125 dg :: G	NIA :: Sfc
			1		33.78	ВМ			<0.5-1 deg :: G	N/A :: Sfc ?
			1	+	2191	BM		2/day [d,n]	50 bm :: G	N/A :: TOA
				Sellers	2193	BM	20%:: 20%	4/day	100 km :: Land	0.5 km ::
CEKES IKM,	IKM AM, PM Radiative Flux, LW, Up	Barkstrom	2203		1		5 W/m/2 :: <5 W/m/2	Ilday (Avg). Ilmo [Avg]	125x1255 dg :: G	NIA :: Sfe
				\dagger	2122	BM	10:: 5	1/day	100 km :: G	N/A :: Sfc
				\forall	2255	BM		1/day, 1/seas	:: Ocean/L	
			_1	\dagger	228	M.		1/day, 1/seas	:: Ocean	and the second s
			1	Hartmann	2188	ξ	5%:: 2%	1/day	<30 km :: Ocean	N/A :: Sfc
CEKES IKM.	IKM AM, PM Radiative Flux, LW, Up	Barkstrom	25 26 27				5 W/m'2 :: 2 W/m'2	1/(6 hr)	125 x 125 dg :: G	N/A :: TOA
				1	2191	ВМ		2/dmy [d.n.]	50 km: G	AOT :: A/N
			1	Munakami	2395	VΜ	10% ::			N/A :: TOA
CERES TRM,	TRMAM, PM Radiative Flux, LW, Up	Barkstrom	2202				5 W/m/2 :: 2 W/m/2	61day [d.n]	25 km:: G	NIA :: TOA
				+	2184	ВМ	5 W/m^2 :: 2 W/m^2	(d,b) yab/ð	1.25 dg :: 0	N/A :: TOA
			1	_	2190	ВМ	5%:: 2%	1/day	<30 km :: Ocean	N/A :: TOA
				\dashv	2385	BM	10W/m^2 :: 1W/m^2	2/day	10 km :: Ocean [South Atlan]	
				Murakami	2395	AM	10% ::			N/A :: TOA

Appendix M: IDS Input Requirements and Match Products by Instrument

TRMAM, PM Radiative F TRMAM, PM Radiative F TRMAM, PM Radiative F TRMAM, PM Radiative I S TRMAM, PM Radiative I	lat, SW, Down Barkstrom Barkstrom Barkstrom Barkstrom Barkstrom	*	Investigator Prod # Match Type	rod # N	fatch Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
	Barkstrom					15 W/m'2 :: 2 W/m'2	3/day [d]	1.25 dg :: G	NIA .: SÆ
	Barkstrom		Wielicki	2218	BM	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: O	N/A :: Sfc
	Barkstrom			2142	BM	1 W/m^2 :: 1 W/m^2	1/hr	8 km :: Land/R	N/A :: TOA
	Barkstrom Barkstrom		Dickinson	3384	BM			<0.5-1 dog :: O	
	Barkstrom Barkstrom		Sellors	7122	BM	20%:: 20%	1/hr	100 km :: Land	
	Barkstrom Barkstrom		Kerr, Sorooshisn	2216	WV	10%:: 10%		500 m :: Land/R	:: Sfc
	Barkstrom Barkstrom		Srokosz	2400	VW	10W/m^2 :: 1W/m^2		10 km :: Ocean [South Atlan]	
	Barkstrom	2222	-			10 W/m'2 :: 2 W/m'2	Ilday [Avg], Ilmo [Avg]	125x125 dg :: G	N/A :: Sfe
	Barkstrom	<u> </u>	Ватоп	2237	BM	10:: 5	1/day	100 km :: G	N/A :: Sfc
	Barkstrom	1	Brewer	1492	BM		1/day, 1/seas	:: Ocean	
	Barkstrom		Kerr, Sorooshien	2142	BM	1 W/m^2 :: 1 W/m^2	1/hr	8 km :: Land/R	N/A :: TOA
	Barkstrom	1	Dickinson	3384	BM			<0.5-1 deg :: G	
	Barkstrom	٠	3	2215	BM	10分/10元	1/day	500 km :: G	N/A:: Sfc
	Barkstrom		Brewer	1493	BM		1/day, 1/seas	:: Ocean/L	
	Barkstrom	_ <u> 1 ***</u>	Kerr. Sorooshian	2216	¥	10% :: 10%	[diumal]	500 m :: Land/R	:: Sfc
		2223				15 W/m/2 :: 2 W/m/2	11(6 hr)	125 x 125 dg :: G	NIA :: Sfe
		·I	Kerr, Soroosbian	2142	BM	1 W/m^2 :: 1 W/m^2	1/14	8 km :: Land/R	AOT :: A/N
		1	Dickinson	3384	BM			<0.5-1 deg :: G	
		.L.	Kerr. Sorooshian	2216	BM	10% :: 10%	[diumal]	500 m :: Land/R	:: Sfc
			Richey, Batista	2141	BM		2/day	:: Land/R	
			Richey, Batista	2141	BM		2/day	:: Land/R	
		<u> </u>	Sellers	7122	BM	20% :: 20%	¥	100 km :: Land	
			Wielicki	2218	¥	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A :: Sfc
	Barkstrom	2229	†** 			15 W/m'2 :: 2 W/m'2	3/day [d]	125 x 1.25 dg :: G	NIA :: Sfe
		: 1	Wielicki	2236	BM	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A :: Sfc
		٠.	Dickinson	3379	AM			<0.5-1 deg :: G	N/A :: Sfc
		.	Hartmann	2214	Ą	0.5% :: 0.5%	1/day	20 km :: G	N/A :: Sfc
		•—	Srokosz	2400	ΨV	10W/m^2 :: 1W/m^2		10 km :: Ocean [South Atlan]	
	Barkstrom	2230				10 W/m'2 :: 2 W/m'2	11day [Avg], Ilmo [Avg]	125 x 1.25 dg :: G	NIA :: Sfe
			Barron	2337	BM	10:: 5	1/day	100 km :: G	N/A :: Sfc
			Dickinson	33.79	BM			<0.5-1 deg :: G	N/A:: Sfc
		•	Murakami	2234	ВМ	2%::			N/A :: Atmos
			Simend	2137	ВМ	10% ::		:: Canada/R	
				22.15	ВМ	10W/m^2 :: 10%	1/day	500 km :: G	N/A :: Sfc
	:		Hartmann	2214	VW	0.5% :: 0.5%	1/day	20 km :: G	N/A :: Sfc
	Barkstrom	1573				15 W/m/2 :: 2 W/m/2	1/(6 hr)	125 x 1.25 dg :: G	NIA :: Sfc
			Dickinson	33.79	VW			<0.5-1 deg :: G	N/A :: Sfc
			Wielicki	2226	WV	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A :: Sfc
			Hartmann	2214	MA	0.5% :: 0.5%	1/day	20 km :: G	N/A:: Sfc
	Barkstrom	2246				12 WIM'S :: 2 WIM'S	3/day [d]	125x125 dg :: G	N/A :: TOA
			Wielicki	1241	BM	10 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A:: TOA
CERES TRM AM.PM Radiative Flux, SW. Up	Barkstrom	22.07				15 W/m'2 :: 2 W/m'2	31day [d]	1.25 dg :: G	NIA :: SJE
			Wielicki	2742	BM	15 W/m^2 :: 2 W/m^2	3/day [d]	1.25 dg :: G	N/A:: Sfc
			Kerr, Sorooshian	2240	AM S	15% :: 15%	[diumal]	500 m :: Land/R	N/A :: Sfc
			Srokosz	2400	AM	10W/m^2 :: 1W/m^2	2/day	10 km :: Ocean [South Atlan]	
CERES TRM AM. PM Radiative Flux, SW, Up	Barkstrom	2248				10 W/m'2 :: 2 W/m'2	Ilday [Avg], Ilmo [Avg]	125x125 dg :: G	NIA :: SÆ
			Barron	2237	BM	10:: 5	1/day	100 km :: G	N/A :: Sfc
			Brewer	1492	BM		1/day, 1/seas	:: Ocean	

Appendix M: IDS Input Requirements and Match Products by Instrument

TM	ľ	The state of the s		Market Ma			riorizonta.	Vertical
		Investigator	8	Investigator Prod # Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Darkstrom 2246		Brewer	1493	_		1/day, 1/seas	:: Ocean/L	
ļė	_ ;	ا	225	_	10W/m^2 :: 10%	1/day	500 km :: 0	N/A :: Sfc
Rootstoom 2240	9	n kiney, Damsu	1417	BM		2/day	:: Land/R	
	3 L	Richev Batista	2141	RM	7.34/M 7 :: 7.34/M 71	1/(6 NP)	125x125 dg :: G	N/A :: TOA
Barkstrom 2250			8888		15 Wim'2 :: 2 Wim'2	11(6 hr)	1.25 x 1.25 dg :: G	NIA :: SÆ
	- 1	Kerr, Sorooshian	2240	AM S	15% :: 15%	[diumal]	500 to :: Land/R	N/A :: Sfc
Barkstrom 2251					7 WIM'S :: 2 WIM'S	Ilday [Avg], Ilmo [Avg]	125x125 dg :: G	N/A :: TOA
		Barron	2239		10:: 5	1/day	100 km :: G	N/A :: TOA
		Dickinson	3380				<05-1 deg :: G	N/A :: Sfc
A section of the sect	T.	Hartmann	223	ВМ	0.5% :: 0.5%	1/day	20 km :: G	N/A :: TOA
•		Dickinson	1381	MH	%01 ∷ % C7	6/day [d,n]	25 km:: G	N/A :: Atmos
		Wielicki	2314	ВМ	25% :: 10%	6/day [d.n]	25-100 km :: G	N/A :: Atmos
	_	Dickinson	3383	ΨĄ			40.5-1 des :: G	eoma :: u/v
		Harris	3445	₹	10-20% :: 5-10%	2/day-1/day	5-50 km :: Ocean/R	
	-	Rothrock	2544	VΜ	0.1 :: 0.1	1/day	100 km :: Poler	N/A :: Cloud
Barkstrom 2317					%5 :: 36F	Ilday (Avg), Ilmo (Avg)	1.25 dg :: G	N/A :: Abnos
		Ваттоп	2301	ВМ	3%::3%	1/day	100 km :: Ocean	N/A :: Cloud
	!	Batos	2305	MΑ	20% :: 10%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
1		Dickinson	3381	W			<0.5-1 deg :: G	
	_ 1	Dickinson	3383	¥			<05-1 deg :: G	
	_ !	Rothrock	2544	¥γ	0.1 :: 0.1	1/day	100 km :: Poler	N/A :: Cloud
Barkstrom 2318					25% :: 5%	1/(6 hr)	1.25 dg :: G	N/A :: Atmos
	_ 1	Dickinson	3381	¥			<0.5-1 deg :: G	
	_1	Hartmann	2306	¥γ	25% :: 0.25	1/day	10 lcm :: Ocean	N/A :: Cloud
	1:	Rothrock	2544	¥	0.1 :: 0.1	1/day	100 km :: Poler	N/A :: Clond
Barkstrom 2321					25% :: 10%	3/day [d]	25 km :: G	SOMBA :: AIM
	_	Dickinson	3382	BM			<05-1 deg :: G	
		Dickinson	3383	BM			<05-1 deg :: G	
		Wielicki	2319	BM	25%:: 10%	3/day [d]	25-100 lzm :: G	N/A :: Atmos
		Dickinson	3383	Ą			40.5-1 deg :: G	
		Partie	3 5	¥ :	10-20% :: 5-10%	2/day-1/day	5-50 km :: Ocean/R	
	_	Rothrock	2,44	E	8.5 : 9.C	1/day	100 km :: Ocean	N/A :: Cloud
Barkstrom 2322	Γ				10% 5%	Ilday IAvel Ilmo IAvel	1 25 de G	M/A Africa
		Ватов	2301	BM	3%::3%	1/day	100 km :: Ocean	N/A :: Cloud
	_	Bates	2305	¥	20% :: 10%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
	_	Dickinson	3382	Ą			<05-1 deg :: 0	
	_	Dickinson	3383	₩			405-1 deg :: 0	
	_	Rothrock	2544	WΥ	0.1 :: 0.1	1/day	100 km :: Pol=	N/A :: Cloud
Barkstrom 2323					25% :: 5%	11(6 hr)	1.25 dg :: G	N/A :: Abnos
		Wielicki	2319	BM	25% :: 10%	3/day [d]	25-100 len :: Q	N/A :: Atmos
		Rothrock	2544	₹	0.1 :: 0.1	1/day	100 km :: Poler	N/A :: Cloud
Barkstrom 2359	Γ				SW 2% LW 1% .: 0.005	6/der (d.n.)	25 bm :: G	N/A ·· N/A
	•	Wielicki	2358	BM	W2%LW1% :: SW2%LW1		25 km : R	N/A Atmos
TRM.AM.PM Cloud Reflectance, Bi-directional, SW Broad Barkstrom 3698	Γ				5% :: /%		O de lange : G	N/A ·· Atmos
	-							

Appendix M: 1DS Input Requirements and Match Products by Instrument

1418			Instrument Output Dat	a Product		IDS Inc	IDS Input Regirements	ements	Accuracy	Temporal	Horizontal	Vertical
ASTO AND Clead Posture, Top Travis 1509 Decisions 1509 AM State 11 Travis 1500 AM State 1500 AM	Instrument	Platforms	Product Name	TM	Prod #	Investigator	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Machinaria 119	50SP		Cloud Pressure, Top	Travis	1530				30 mb :: 30 mb	11dey [d]	40 km :: G	30 mb :: Cloud
Ministry 1411 AM 1111						Dickinson	3330	ΨV			<0.5-1 dog :: G	
Reduced 1415 AM						Murakami	1418	WV	1 km ::			:: Cloud
Honor 1594 AM 100 ma; 2 m 150 ma;						Rothrock	1419	νW	0.2km :: 0.2km	1/day	100 km :: Poler	:: Cloud
History Place 1579 AM Storing Decision 1570 AM S						Barron	1412	W	100 m :: 25 m	1/day	100 km :: G	100 m :: Cloud
Main						Hanson	1399	Ą	:: E Ø	1/wk	500 km :: G	:: Cloud
ALTO ALT Cheed Drop Place Trent 1770 Second 1799 AM WOR Contrawed 176 AM WOR Contrawed 176 AM WOR Contrawed 176 AM WOR Contrawed 176 AM WOR Contrawed 176 AM WOR Contrawed 176 AM WOR Contrawed 176 AM WOR Contrawed 176 AM WOR Contrawed 176 AM Worked 177 AM O. 10 1.10% 1.1						Bates	1251	WV	50 mb :: 20 mb	2/day	5 km :: G	N/A :: Cloud
Decision 1976 AM Ord Cord 1974 AM Ord Cor	SOSP		Cloud Drop Phase	Travis	1770				:: 95 % Corr	1/day [d]	D :: ₩9 001	N/A :: Cloud
Publisher 1514 Alvi 1516 Alvi 15						Batce	1759	¥		1/day, 1/mo	1 dg :: G	N/A :: Cloud
Maided 1761 AM 90% Conf 6						Dickinson	3346	Ą			<0.5-1 deg :: G	
AERO-AM2 Cloud Drop Size Travis 1774 Delisson 347 ABM 0-40% s.2% 1.1 1.2 ABM 0-40% s.2% 1.1 1.2 ABM 0-40% s.2% 1.1 1.2 ABM 0-40% s.2% 1.1 1.2 ABM 0-40% s.2% 1.1 1.2 ABM 0-40% s.2% 1.1 1.2 ABM 0-40% s.2% 1.1 1.2 ABM 0-40% s.2% 1.1 1.2 ABM 0-11.0% 1.1 ABM 0-11.0% 1.						Wielicki	1921	W	90% Conf :: 90% Conf	(4ay [4,n]	25-100 km :: G	N/A :: Atmos
Decision 1777 Am Decision 1777 Decision 1777 Am Decision 1777 Am Decision 1777 Decision 1777 Am Decision 1777 Decision 1777 Am Decision 1777 Am Decision 1777 Am Decision 1777 Decisio	EOSP	AERO AM2	Cloud Drop Sire	Travis	1774				25% :: 25%	1/day [d]	100 km :: G	N/A :: Cloud
Seller 1236 BM 0.40/6; 5% 1						Dickinson	3347	ВМ			<0.5-1 deg :: G	
AERO AM2 Arrosol Optical Depth Travis 2397 Escitor 2308 BM 3-11-056 1-10-056 1-						Batca	1111	W	0-40% :: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
Selven 258 BN 5-154; 1-1076 Plact 1020 BN 5-154; 1-1076 Plact 1020 BN 5-154; 1-1076 BN	EOSP	AERO AM2	Aerosol Optical Depth	Travis	2297				0.2 :: 10%	11day [d]	40 km :: G	Column :: Atmos
Pieck 2256 BM 5.15%; 1-10%	ı	·	•			Sellers	2288	BM				
Pyte 1000 BM- 1001 AM 1001 BM- 100						Isacks	2326	BM	5-15% :: 1-10%	1/wk	10-50 km :: Land/R	Column :: Atmos
History 1919						Pyk	1003	BM.		2/day	Đ:	:: Strat
Hinten 1001 AM Bun-0/D2; Hinten 1001 AM Bun-0/D2;					_	Wielicki	2289	BM	0.10 :: 0.10	1/day	1.25 dg :: G	N/A :: Atmos
Hearing 1023 AM 1204 1205 1206 1205 1206 1205 1206						Hansen	1001	WV	tau=0.02 ::	1/wk	S00 km :: G	:: Trop
AERO-AM2 Cloud Opiced Depth Travis 2313 Rothrock 2544 BM 01:10%						Hartmann	1002	WV	tau=0.02 ::	1/day	20 lcm :: G	3 km :: 0-15 km
Rothrock 2544 BM 01:01	EOSP	AFRO AM2	Cloud Optical Depth	Travis	2313				20% :: 10%	11day [d]	40 km :: G	Column :: Cloud
Base 204 BM 5-15% = 1-10%						Rothrock	2544	BM	0.1::0.1	1/day	100 km :: Polar	N/A :: Cloud
Batton 338						Isacks	23.25	BM	5-15% :: 1-10%	1/wk	10-50 km :: Land/R	Column :: Atmos
Dictingen 3582 AM 10.20%::5.10% 258						Batcs	2302	BM		1/day	15 x 45 km :: 0	N/A :: Cloud
Harris 3445 AM 10-20%s; 5-10% 201 AM 3%s; 3% 3%s; 3% 3%s; 3% 3%s; 3%s 3%s						Dickinson	3382	ΨV			<0.5-1 deg :: G	
Batron 2201 AM 376::376 156 AM 2076::1076 157						Harris	3445	₩	10-20% :: 5-10%	2/day-1/day	5-50 km :: Ocean/R	
New Control of Busic 200						Barron	2301	AM	3%::3%	1/day	100 km :: Ocean	N/A :: Cloud
Near, Sarcochim 2325 AM 1096 :: 1096 :: 1097						Bates	2305	¥	20% :: 10%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
AERO AM2 Reflectance, Bi-directional (BRDF) Travis 3644 Wielicki 3615						Kerr, Sorooshian	┺	MA	10% :: 10%	1/(5-16 day)	10 km :: Land/R	:: Atmos
Wielicki 3615 AM 558:256	EOSP	AERO AM2	Reflectance, Bi-directional (BRDF)	Travis	3644				5%::	2 day [d]	10 km :: G	NA :: Cloud, Sfc
Rothrock 2012 AM \$- 0.05:0.05						Wielicki	3615	ΑM	5%:: 2%	TBD	10 dg [Angle] :: G	N/A :: Cid
ALT Temperature Profile Melbourne 1605 AM 1.2 K 7.3 C ALT Temperature Profile Melbourne 1606 AM Schoeberl 1573 AM 0.3 C 0.3 C ALT Temperature Profile Melbourne 1606 AM Schoeberl 1573 AM 2 K;: 1 K 7 ALT Tere_Sheet Displacement Beniley 2897 BM 10 mon/dop;: 10 mon/dop;: 10 mon/dop;: 10 mon/dop;: 10 mon/dop;: 10 mon/dop;: 10 mon/dop;: 10 mon/dop;: 10 mon/dop;: 10 mon;: 10 mon ALT Ice_Sheet Elevation Beniley 2912 BM 100 mon;: 100 mon ALT Ice_Sheet Elevation Beniley 2912 Simard 2909 BM 100 mon;: 100 mon; Simard 3054 BM- 100 mon; 100 mon; 100 mon; 100 mon; Simard 3054 BM- 100 mon; 100 mon; 100 mon;						Rothrock	2012	AM S	0.05 :: 0.05	1/(3 day)	25 km :: Polar	N/A :: Sfc
Heaten 1573 AM	l99	ALT	Temperature Profile	Melbourne	1605				IK::IK	700 red/day	1-200 km :: G	1 km :: 5 - 50 km
Hensen 1573 AM 0.3 C.: Schoebert 1582 AM 2 K.: 1 K 1 K.: 1						Bates	1569	AM S	:: 1-2 K		1.8 x .16 dg :: G	3 km :: 20-60 km
ALT Temperature Profile Melbourne 1606 ALT Temperature Profile Melbourne 1606 ALT Tee_Sheet Displacement Benulcy 2897 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2912 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation Benulcy 2913 ALT Tee_Sheet Elevation 291						Hensen	1573	VΨ	03C::	1/wk	S00 km :: G	:: Strat
ALT Temperature Profile Melbourne 1606 Bases 1569 AM S. :1.2 K :1.2 K ALT Ice_Sheet Displacement Benulcy 2897 Burron 2929 BM :10 mm/day ::10 mm/day ALT Ice_Sheet Elevation Benulcy 2912 Simard 2896 BM 100 mm :: 100 mm ALT Ice_Sheet Elevation Benulcy 2912 Simard 2899 BM 100 mm :: 100 mm Barron 3054 BM- 100 mm :: 100 mm 100 mm :: 100 mm 100 mm Simed 3054 BM- 100 mm :: 100 mm 100 mm						Schoeberl	1582	WV	2K::1K	1/day	2x2dg:: G	2 km :: Atmos
ALT Ice_Sheet Disjoicement Beneley 2897 Burron 2929 BM 10 mm/day :: 10 mm/day 10 mm/day	156	ALT	Temperature Profile	Melbourne	9091				IK:IK	700 res/day	1-200 bm :: G	I km :: 2-5/50-60 km
ALT Ice_Sheet Displacement Bentley 2897			•			Batce	1569	AMS	:: 1-2 K		1.8 x .16 dg :: G	3 km :: 20-60 km
Simsed 2929 BM :: Simsed 2929 BM 10 cm :: 100 mm	CLRSA	ALT	Ice Sheet Displacement	Bensley	2897				10 mm/day :: 10 mm/day	I/mo	NIA :: LandiCryo	NIA :: Sfe
Simurd 2896 BM 10 cm :: 100 mm		į				Berron	2929	BM	***		:: Land/Cryo	N/A :: Sfc
ALT Ice_Sheet Elevation Beniley 2912						Simend	2896	BM	10 cm ::	1 lyr. 1/seas	:: Canada/R	N/A :: Sfc
Simard 2909 BM 100 mm :: Barron 3053 BM- 100 ::	GIRS.A	ALT	Ice Sheet Elevation	Beniley	2912				100 mm :: 100 mm	IImo	75 m :: Land/Cryo	NIA :: Sfe
3054 BM- 100:: 3054 BM- 100:: 3055 BM- 100mm::		į		•		Simend	5062	BM	100 пп ::	1/(3 mo)	10 km :: Land/R	N/A:: Sfc
3054 BM- 100:: 3055 BM- 100mm::						Barron	3053	BM-	::001	1/(3 mo)	10 km :: Lend/Cryo	:: Sfc
3055 BM- 100 mm ::						Вагтоп	3054	BM-	::001	1/(3 mo)	100 km :: Lend/Cryo	30 m :: Ste
30% BM- 100 mm						Simerd	3055	BM.	100 mm ::	1/(3 mo)	10 km :: Land/R	N/A :: Sfc
- With						Simand	3056	BM-	100 mm ::	1/(3 mo)	100 km :: Land	N/A :: Sfc

Appendix M: 1DS Input Requirements and Match Products by Instrument

		DUDOLI BIEGI Indino III MIII NOTO	Lindance		IDS Input Regirements	z Keg	rements	Accurace	Termoral	Horizontal	100:500
Instrument	Platform	Instrument Platforms Product Name	TM	Prod#	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Ret	Resolution	Resol :: Cover.	Resol :: Cover.
GLRS-A	νŢ	Ice Sheet Elevation	Bentley	2912	Isacks	2908	ВМ	0.1 ::	242	10 m :: Land/Cyro	N/A :: Sfc
1 24 15	!;				Barron	2906	VW	100::	1/(3 mo)	10 km :: Lend/Cryo	:: Sfc
V-CYTO	Į,	I opographic Elevation-Change Rate, Land_s, Cohen, Schutz et i	s, Cohen, Schutz et e	2831				S mensyr .:	liye	100-900 km .: LandiR	:: Sfc
				- 1	Mouginis-Mark	3278	BM	10 m(ver) ::	1/event	30 m :: LandAL	N/A :: Sfc
					Mouginis-Mark	3284	νW		4/yr	30 m :: Land/L	N/A :: Sfc
CLRS-A	νŢ	Landorm Morphology	Schutz et al	2858				100-S00mm ::	Ilwk, Ilm	0.1-10 km :: Land	100-500 mms - Sé-
					Isacks	2851	BM		1/mission	15-30 m :: Land/R	N/A Sr
					Mouginis-Mark	3284	BM		4/vr	30 m :: [_mgd/[.	N/A :: Sfc
					Moore	2915	AM \$	20% :: 20%	1/wk	1-25 km :: Land	
GLRS-A	AL7	Volcano Deformation(Inflation-Deflation)	Schutz et al	3271				Styn-1001d ::	11day, 11yr	I bm .: Land/L	:: Sfe
					Mouginis-Mark	3269	BM	1 cm(ver) ::	1/day	cm [?] :: (30 km^2/10)	N/A :: Sfc
					Mouginis-Mark	3274	BM	1-5 (ver) ::	2/day [d.n.]	30 m :: LandAL	N/A : Sfc
GLRS-A	ΥT	Cloud Heigh	Spinhirme	1400	-			75 m ::	11(2-16 day)	2-10 km :: G	75.41 ::
					Batos	1406	BM	SO B ::	2/day	S0.Em.: G	N/A :: Cloud
					Bates	1401	ΑΛ	500 m ::	2/dav	D:: III 05	Prop :: V/A
					Lau	1402	ΨV	100 = ::	2/day	SO 171 G	N/A :: Atmos
				-	Bates	5069	AM\$		1/day	D:: E4001	0 S Irm Tron
					Bates	202	AMS	0.05 :: 0.025	2/day (d.n.)	15 x 45 km :: G	N/A : Cloud
					Lau	2070	AMS	5%:: 5%	1/day	100 km :: G	: A/A
GLRS-A	VF1	Cloud Structure, Cirrus	Spinhirne	0101				0.2 ::	11(2-16 day)	1-10 km :: G	75.7
					Bates	6902	AM \$		1/day	100 lan :: Cl	0.5 km :: Troo
					Lau	2070	AM\$	5%:: 5%	1/day	100 km :: G	N/A ::
					Bates	2072	AM \$	0.05 :: 0.025	2/day [d,n]	15 x 45 km :: G	N/A :: Cloud
				1	Batca	140	Vγ	500 m ::	2/day	So ten :: G	N/A :: Cloud
					Lau	1402	νw	100 m ::	2/day	SO ISH :: G	N/A :: Atmos
V-CX-V	Į.	Cloud Cover	Spinhirne	2078				1.5.:	11(2-16 day)	10-200 km :: G	N/A ::
					Hansen	2022	ΨV	3% ::	1/wk	500 km :: G	:: Cloud
					n=	2024	Wγ	5%:: 5%	2/day	50 km :: R	N/A :: Atmos
				1	.E.	2055	¥			:: Ocean	N/A :: Cloud
				1	Munkami	2058	VΨ	10% ::			N/A :: Cloud
					Simerd	2056	¥	5%::		:: Canada/R	N/A :: Cloud
					Harris	3436	ΨV	5-10%:: 2-5%	2/day	5-50 km :: Ocean/R	
					Sac.	5069	AM S		1/day	100 km :: G	0.5 km :: Trop
					3	0/07	VM S	5%:: 5%	1/day	100 km :: G	:: N/N
					Barron	2049	NA.	5::5	1/day	100 km :: G	N/A :: Cloud
					Batcs	20,12	AM &	0.05 :: 0.025	2/day [d,n]	15 x 45 lcm :: G	N/A :: Cloud
				=.1_	Nerr, Soroosman	C/R	₹ :	5%:: 5%	1/day	10 km :: Land/R	N/A :: Cloud
GLRS.A	TIV	Chad Omited Dark Chans	2-1-1-1	86	Barron	8	¥	5::5	1/day	10 km :: R	N/A :: Cloud
	į	Cities Opin a Damis Cares	Sperience	35				20% .:	11(2-16 day)	1-100 km :: G	
					natural n	9)67	WV	25%:: 0.25	1/day	10 km :: Ocean	N/A :: Cloud
1 3415	11.4	A 4			Wielicki	2289	MA.	0.10 :: 0.10	1/day	1.25 dg :: G	N/A :: Atmos
U-000	į	Acroson Layer Bollmany Meign	Spinairne et a	*				150 m ::	11(2-16 day)	2-200 lbm :: G	75 m :: Abnos
					Batcs	1013	BM	75 m ::		2-200 km :: G	75 m :: Atmos
				1	Batcs	1642	BM	75 m ::		200 len :: G	75 m :: Trop
					Isacks	1015	BM	75 m ::	1/event, 1/mo	2 km :: Land/R	75 m :: Atmos
					Sellers	100	W				
					Monging-Mark	3285	Y.	200m(ver) ::	1 Max	0 Pag 1: 140	

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Output Data Product	a Product		IDS Input Regirements	ut Regir	ements	Accuracy	Temporal	Horizontal	Vertical
Instrument	Platforms	Instrument Platforms Product Name		Prod #	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
GLRS-A	ALT	Cloud Height, Base	Spinhirne et al	1389				75 m ::	11(2-16 day)	2-100 km :: G	75 m :: Cloud
					Kerr, Sorooshim	1385	ВМ	200m :: 200m	1/h	1 km: Lend	100 mb :: Trop
					Bates	1383	ΑM	:: 100 mb		25 km :: G	100 mb :: Cloud
					Wielicki	1387	МΑ	0.1 km :: 0.1 km	1/(16 day)	0.2 km :: R	0.1 km :: Atmos
GLRS-A	ALT	Cloud Heigh, PSC	Spinhirme et al	1405				150 m ::	11(2-16 day)	2-200 km :: Polar	75 m :: Strat
					Pyle	1404	WΥ		2/day	Ð:	:: Strat
					Grose	3307	VΨ	20% :: 10%	2/day	15 x 4 dg :: G	2 km :: Strat
GLRS-A	VTL	Cloud Height, Top	Spinkirne et al	1425				75 m ::	11(2-16 day)	200 m :: G	75 m :: Cloud
					Wielicki	1421	AM	0.1 km :: 0.1 km	1/(16 day)	0.2 km :: R	0.1 km :: Atmos
					Barron	1413	VW	100 m :: 25 m	1/day	10 km :: R	100 m :: Cloud
					Kerr, Sorooshian	1417	Æ	:: 0.5 km	1/hr	1 km: Land/R	:: Cloud
				-	Barron	1414	AM	100 m :: 25 m	1/day	30 m :: L	100 m :: Cloud
GLRS-A	VTL	PBL Height	Spinkinne et al	1514				150 m ::	11(2-16 day)	2-200 km :: G	75 m :: Trop
					Вясе	1512	BM	75 m ::		2-200 km :: G	75 m :: Trop
					Dickinson	3329	BM				
				•	Mouginis-Mark	3302	BM		1/day	30 m :: Land/R	N/A:: Plume_col
					Sellers	1513	ВМ				
					Ватов	1511	ВМ	75 m ::	1/day	100 km :: G	100 m :: Mixed_lyr
					Ватоп	1510	ВМ	75 m ::	1/day	10 km :: R	100 m :: Mixed_lyr
GLRS-A	VTL	Aerosol Optical Depth	Spinhirne et al	1677				20% ::	11(2-16 day)	2-200 bm :: G	NA :: Amos
					Hansen	1001	МΑ	tau=0.02 ::	1/wk	500 km :: G	:: Trop
					Isacks	23.26	VW	5-15% :: 1-10%	1/wk	10-50 km :: Land/R	Column :: Atmos
					Murakami	1321	ΨV	5-10%::		Ð::	N/A :: Atmos
					Hansen	7387	WV	tau=0.02 ::	1/wk	500 tm :: G	:: Strat
					Sellers	2288	ΨV	::			
GLRS-A	ΛLT	Cloud Optical Depth	Spinhirne et al	2308				0.1 ::		2-200 km :: G	N/A :: Cloud
					Dickinson	3382	ΨV			<05-1 deg :: G	
					Bates	2304	ΨĮ		1/day	15 x 45 km :: G	N/A :: Cloud
HIRDLS	CHEM	CFC-12(CF2CI2) Com	Barnett, Gille	1047				5-10% :: 1-10%	2/day [d,n]	4x4dg::G	I Im :: 7-30 Im
					Murakami	1374	BM	20% ::			N/A:: TOA
					Schoeberi	104	BM	15% :: 10	1/day	2x3dg::G	1.5 km :: Strat
					Hansen	1057	BW		1/wk	500 km :: G	:: Trop
					Grose	1042	BM	15% :: 5%	1%k	30 x 4 dg :: G	3 km :: Strat
_					Pyle	Ş Ş	BM	15%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
HIRDLS	CHEM	CFC-11(CFCB) Conc	Barnett, Güle	1055				5-10% :: 1-10%	2/day [d.n]	4x4 dg :: G	/ ton :: 7-30 ton
					Murakami	1374	B.	2076 ::			VI :: VIV
				_	Hence	1067	Ma	01 :: R .CI	1/day	D:: Ma C X 7	True :: True
						Ş	2	14444	144	30 - 4 4 e :: O	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
					Pyle	188	BM	15% :: 5%	2/day	15 x 4 km :: G	3 ten :: Strat
HIRDLS	CHEM	CH4 Come	Barnett, Gille	1085				S-10% :: 1-10%	21day [d.n]	4x444:0	1 tm :: 7-65 tm
					Murakani	1374	BM	20%::			AOT :: A/N
				_	Grose	1074	BM	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Schoeberl	1078	ВМ	15%:: 0.05	1/day	2x3 dg :: G	1.5 km :: Stret
					Pyle	1077	BM	10% :: 5%	2/day	15 x 4 km :: 0	3 km :: Strat
					Hansen	1372	AM-	2% ::	1/wk	S00 km :: 0	:: Trop
					Hensen	1075	¥	0.10% ::	1/wk	500 km :: Wetlands	:: Trop
					Hansen	1076	¥		1/wk	500 lzm :: G	:: Trop

Appendix M: IDS Input Requirements and Match Products by Instrument

	Platforms Product Name	ТМ	Prod #	Investigator Dead # Mark T	100	the first Deal # March T	Accuracy	Lembora	Horizontal	Vertical
┨~	HNO3 Come	11.0	# 200.	mires ligator	* 801	Match 1 ype	Abs :: Kel	Resolution	Resol :: Cover.	Resol :: Cover.
•		DOWNER, CHIE	7071				S-10% :: 1-10%	21day [d.n]	0 :: de +x+	1 km :: 10-40 km
				Grose	8611	BM	20% :: 5%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos
				Pyle	1210	BM	25%:: 10%	2/day	15 x 4 km :: Q	3 km : Street
				Pyb	1199	BM	15% :: 5%	2/day	15 x 4 km :: 0	3 km : Strat
- 1				Schoeberi	1200	BM	15% :: 0.1	l /dav	2 x 3 de G	C Street
-	N2O Come	Barnett, Gille	1239				S-10% :: 1-10%	2/day (d.n.)	d rd de :: G	1 2.00 -1
				Murakami	1374	BM	20%::		-	AOT :: A/N
				Hamsen	1230	BM		1/wk	S00 km :: G	Troo
				Grose	1229	BM	15%:: 5%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
				Schoeberl	1232	ВМ	15%:: 10	1/day	2x3dg:: G	2 km :: Strat
-11				Pyla	1231	ВМ	15%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
-	N2OS Conc	Barnea, Gille	1254				S-10% :: 1-10%	21day [d.n]	4x4 dg :: G	1 km :: 15-45 km
				Schoeberl	1252	BM	15% :: 20%	1/day	8 x 10 dg :: Q	3 km :: Strat
				Grose	1250	BM	20%:: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-stmos
- 1				Pyle	1251	BM	20% :: 10%	2/day	15 x 4 km :: 0	3 km :: Strat
-	NO2 Conc	Barnett, Güle	1273				5-10% :: 3-10%	21day [d.n]	4x4 dg :: G	1 km :: 10-55 bm
				Grose	1269	BM	15%:: 5%	2/day	30 x 4 de :: G	3 km :: Mid-strans
				Pyle	1270	BM	15%:: 5%	2/day	15 x 4 lzn :: G	3 km :: Strait
- 1				Schoeberl	1271	BM	10% ::	1/day	4 x 5 do :: 0	2 hm : Mid.stmos
~	O3 Conc	Barnett, Gille	1318				5-10% :: 1-10%	21day 1d.ml	4 x 4 de G	7 4 - 1. 7.80 b-
				Bates	1305	BM	5-10%:: 1-5%	2/day	414 do :: O	1.1 S km : 10.80 km
				Murakami	1310	BM	10% ::			AOT - A/N
				Schoeberl	1313	ВМ	10% :: 5%	1/day	2 x 3 dg :: G	1.5 km :: Mid-amos
				Grose	1306	BM	2%,5%:: 2%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
				Pyle	1311	ВМ	5% :: 2%	2/day	15 x 4 km :: G	3 km :: Strat
				Schoeberl	1312	ВМ	10% :: 10%	1/day	4 x 5 dg :: G	2.5 km :: Troo
				Hansen	1307	BM	3%::	1/wk	\$00 km :: G	:: Atmos
- 1				Moore	1309	¥	25%:: 10%	1/day	100 km : G	Atmos
J	Cloud Height, PSC	Barnett, Gille	1408				0.4 km :: 0.4 km	2/day (d.n.)	4 x 4 de G	0.4 ba Cha
				Pyle	<u>1</u>	BM		2/day	5	13.
ı				Grose	3307	BM	20% :: 10%	2/day	15 x 4 dg :: G	2 km :: Straf
J	Geopotential Height-Gradien	Barnett, Gille	1500				0.04m/km :: 0.04m/km	21day [d.n]	4x4 de :: G	/ km :: 15-80 km
- 11				Batcs	1499	BM	0.04m/km ::	2/day	4x4dg::G	1-1.5 km :: Atmos
•	Pressure	Barnett, Gille	1524				#1'0 :: %I'O	21day [d,n]	4x4 dg :: G	02 km :: 7-80 km
				Orose	1516	BM	0.05 :: 2%	2/day	15 x 4 dg :: G	3 km :: Mid-atmos
- 13			1	Kerr, Sorooshian	1518	BM	5%:: 5%	1/hr	25 ten :: Land	3 km :: Trop
J	Cloud Freisure, 1 op	Barnett, Gülle	1831				5-10% :: 5-10%	21day [d.n]	4x4 dg :: G	0.4 km :: Trop
				Dickinson	3330	₹			<0.5-1 deg :: 0	
				Hansen	1399	¥	.: m0%	1/vk	500 km :: G	:: Cloud
۱				Murakami	14 18 14 18	¥	1 km ::			:: Cloud
-	i emperadure Propie	Barnett, Güle	88				#K;2K>50km :: 0.3K;1K>50km	21day [d,n]	4 x 4 dg :: G	I km :: 7-80 km
			1	Batos	1570		1K;2K>50km :: 3;1K>50km	2/day	4x4dg::G	1-1.5 km :: 10-80 km
				Hensen	1573	BM	03C::	1/wk	500 km :: G	:: Straf
				Orose	1572	BM	2K::0.5K	2/day	15 x 4 dg :: Q	2 km :: Mid-atmos
				Schoeberi	1582	BM	2K::1K	1/day	2 x 2 dg :: G	2 km :: Atmos
				Batcs	1569	AM S	:: 1-2 K		1.8 x .16 dg :: G	3 lcm :: 20-60 lcm
				C						

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Output Data Product	1 Product		IDS Input Regirements	if Keqir	ements	Accuracy	Iemporal	HOLIZONI	veruca:
Instrument	Platforms	Instrument Platforms Product Name		Prod #	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
HIRDLS	CHEM	Wind Velocity, Geostrophic	Barnea, Gille	1687				3 mls :: 3 mls	21day [d.n]	4x4 dg :: G	I km :: 7-80 km
					Batcs	1685	ВМ	2 m/s ::	2/day	4×4dg:: G	1-1.5 km :: Atmos
HIRDLS	CHEM	H2O Conc	Barnett, Gille	1837				S-10% :: 1-10%	21day [d,n]	4x4dg::G	I km :: 7-80 km
					Bates	1808	ВМ	5-10% :: 1-5%	2/day	4×4dg::0	1-1.5 km :: 10-80 km
				•	Schoeberl	1821	ВМ	10% :: 5%t,0.05s	1/day	2 x 3 dg :: G	1.5 km :: 0-Strat
					Schoeberl	1822	ВМ	10% :: 0.05	1/day	4 x 5 dg :: G	2.5 km :: Meso
					Hansen	1812	ВМ	3%:	1/wk	500 km :: G	:: Atmos
					Hansen	1864	WV	3%:	1/wk	500 km :: G	Column :: Strat
					Grose	1181	ΨV	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Trop/meso
					Pyle	1819	WV	10%:: 5%	2/day	15 x 4 km :: G	3 fon :: Strat
HIRDLS	CHEM	Aerosol Extinction Coef	Barnett, Gille	1992			-	5-10% :: 1-10%	21day [d,n]	4x4 dg :: G	I km :: 7-30 km
					Murakami	2327	BM	5-10% ::		D::	N/A :: Atmos
				•	Mouginis-Mark	3263	BM		1/wk	0::	:: Strat
					Bates	2001	BM		1/(1-3 day) [few day]	100 km :: G	1 km :: Atmos
					Pyb	1003	BM		2/day	D:	:: Strat
					Mouginis-Mark	3264	¥		1/wk	9::	:: Trop
					Schoeberl	1010	AM-S	10% :: 5%	1/day	200 km :: G	1 km :: Strat
					Grose	1006	AMS	20% :: 10%	2/day	15 x 4 dg :: G	2 lcm :: Strat
					Kerr, Sorooshian	1001	AM-S	5%:: 5%	1/day	25 km :: Land	3 km :: Atmos
					Hansen	1001	ΨV	:: 2070=nm1	1/wk	500 km :: G	:: Trop
					Hamsen	2287	AM	tsu=0.02 ::	1/wk	500 km :: G	:: Strat
HIRIS	AM2	Chlorophyll a Conc, Phytoplantion, Case-I 1 Carder, Davis	-I I Carder, Davis	2564				50% :: 25%	11(2 day) [d]	30-90 m :: Ocean-1/L	N/A :: TOO
		1			Harris	3456	AM	20-30% :: 10-15%	2-10 days	0.25-1 km :: Ocean/R	
HIRIS	AM2	Chlorophyll a Conc, Case-Il Waters	Carder, Melack	2565				100% :: 50%	11(2 day) [d]	60-90 m :: Осеан-IIIL	N/A :: T00
					Harris	3454	AM	40% :: 20%	2-10 days	0.25-1 km:: Ocean/R	
HIRIS	AM2	Ocean Water Backscatter Coef@565 mm	Carder, Melack	3210				50% :: 25%	1/(2 day) [d]	30-90 m :: OceanL	NIA :: Sfc
			,		Harris	3448	BM-	20%:: 10%	2-10 days	0.25-1 km :: Ocean/R	
HIRIS	AM2	Gelbstoff Absorption Coef@410mm	Carder, Melack	3215				50% :: 25%	11(2 day) [d]	30-90 m :: Ocean-IIL	NIA :: T00
		-			Brewer	3213	BM-	50% :: 10%	1/day, 1/seas	30 m :: Ocean/L	N/A :: T00
					Brewer	3214	BM-	50% :: 10%	1/day, 1/seas	20 lm :: Ocean	N/A :: T00
					Harris	3453	BM	20% :: 10%	2-10 days	0.25-1 km:: Ocean/R	
HIRIS	VM2	Organic Matter Conc, Dissolved	Carder, Melack	3314				100% :: 50%	(>=2)/day	0.90 m .: Ocean/L+Land/Lates	
					Brewer	2562	BM	100%:: 10%	1/dary, 1/seas	30 m :: Ocean/L	N/A:: T00
					Richey, Batista	2654	AM-\$-	20% :: 10%	1/wk	1 km :: Land/R	
HIRIS	AM2	Suspended-Solids Conc, Ocean Water	Carda, Melack	3315				100% :: 50%	(>=2)/day	0.90 m :: Ocean(L+Land) Lakes	
					Barron	7804	ВМ	25% ::		10 km :: Land/R-Lakes	N/A :: Sfc
HIRIS	AM2	Pigment Conc, Accessory	Davis, Melack	3072				100% :: 50%	II(>=2 day)	20.90 m :: Ocean-IIL	NIA :: 100
					Herris	3459	BM	20% :: 10%	skap 01-7	0.23-1 Im: Ocean/R	. 4114
					Abbott	787	Ş.WY	30% :: 20%	1/(1-2 day)	24 Km :: Ocean (Southern)	N/A:: 100
HIRIS	AM2	Ocean Productivity, Primary,	Davis, Melack et .	7007				#VC :: #VVV	((op 7=<)))	20-90 m .: Oceans	OOT AVA
					Brewer	2800	BM	30% :: 5%	I/Ony, I/sens	JUB :: Oceanivi	WA:: N/N
					Harris	3460	Ą	30% :: 5%	1/day	1-20 km :: Ocean/K	
HIRIS	AMZ	Snow Reflectance, Spectral	Dorier	2440				5%::1%	I/wk, I/mo	SO m :: LandL	NIA :: 5JC
					Dickinson	3364	BM			High res :: Land	
					3	802	BM	10% :: 10%	1/2·k	100 m :: Land/R	N/A :: Sfc
					Hansen	7102	₹	0.02 ::	1/wk	S00 km :: Land	:: Sfc
					Dozier	2020	-W-	5%::1%	1/wk, 1/mo	SOm::Land/L	20 2112
					Simand	2019	VΨ	2% ::		:: Canada/R	N/A :: Ste

Appendix M: IDS Input Requirements and Match Products by Instrument

-	Resol :: Cover.	NIA :: Sfe		N/A :: Sfe	N/A :: Sfc	N/A :: Sfe		:: Sfc	N/A:: Sfc	N/A .: Sfc			N/A :: Sfe	N/A :: Sfc	N/A :: Sfc	:: Sfe	NIA :: Sfc	N/A :: Sfc		N/A :: Sfc		NIA :: Sfc		N/A :: Sfc	N/A :: SÆ		N/A :: Sfc	N/A :: Sfc	:: Sfc	N/A :: Sfc	N/A :: Sfc	Column :: Atmos			N/A:: Plume_col	Column : Atmos	Cohima : Tron	Column : Troe	Column:: Trop		N/A:: T00	N/A :: SÆ	N/A :: Sfc	-	N/A :: Sfc
Horizontal	Resol :: Cover.	30 m :: Snow/L	50 m :: Snow/L	50 m :: Glacier/L	10-30 m :: Land/L	50 m :: Snow/L	50 m :: Snow/L	1 km :: Lend	:: Canada/R	50 m :: Cryo/L	50 x 50 m :: Land/L	:: Canada/R	100 m :: Land/L	15-30 m :: Land/L	30 m :: Lend/L	500 km :: Land	50 m :: Glacieril	:: Canada/R	50 m :: Snow/L	50 m :: CryolL	50 m :: Snow/L	50 (tom?) :: Snow/L	50 m :: Snow/L	:: Canada/R	30 m :: Landil.	250-500 m :: Land	N/A :: Land	N/A:: Land	30 m :: Land/R	:: Canada/R	.22 km :: Ocean/L	100 m :: T	30 m :: L	1 km :: G	I form :: LamadyC	30.00	1 ten :: R	30 m ∴ L	30m:L		30 m :: Ocean/L	30 m :: Glacient	:: Canada/R	:	:: Land/Cryo
Temporal	Resolution	IIwk, IImo	1/wk, 1/mo	Ilwk, Ilmo	1/seas	IIWk, IImo	1/wk, 1/mo	1/wk		IIwk, IImo	1/wk, 1/mo		1/wk	1/seas	1/day	1/wk	IIwk, IImo		1/wk, 1/mo	Ilwk, Ilmo	1/wk, 1/mo	I/wk, I/mo	1/wk, 1/mo		11(16 day)		1/seas	1/seas	1/(2 mo)	l wk (for 1 yr)	1/day, 1/seas	11(2-16 day)	1/(2 day)	1/(2 day)	I/orbit, I/day	11(1-3 min) 1/2-16 day	1/wk	1/(1-3 min), 1/(2-16 day)	1/day		1/day, 1/seas	1/3	1/yr, 1/seas		
Accuracy	Abs :: Rel	20% :: 20%	20%:: 20%	5% :: 2%	5%:: 2%	100% :: 100%	100% :: 100%			5% :: 2%	10% :: 10%		\$0::10	5%:: 2%	5%:: 5%	0.02 ::	5% :: 2%		10% :: 10%	10% :: 10%	10% :: 10%	200% :: 200%	200% :: 200%		5% .: 5%		10% :: 10%	10% :: 10%	3% :: 5%	0.05 :: 0.001	3%::1%	0.05 :: 0.01	:: % 0%	:: PCX	: 2			10% :: 3%	3%::1%		10% :: TBD	1%::02%	10 cm ::		::
rements	Investigator Prod # Match Type		ВМ		BM		BM	BM	VW		BM	ВМ	BM	BM	BM	ΨV		BM	VΥ		BM		ВМ	¥		BM	BM	BM	Ψ.	ş	Ą		₹WY	₹ Y	E 3		Æ		ВМ		BM		BM		¥
IDS Input Regirements	¥.		2767		2923		3039	3027	3043		3008	3043	3012	3011	3004	3009		3043	3028		3028		3037	3043			_1			34%	2427		3 3	+	+		1863		1859		2414		2894	0000	6767
\vdash	_		Dozier		Isacks		Dozier	Moore	Simard		Dozier	Simand	uri	Isacks	Barron	Hamsen		Simand	Dozier		Dozier		Dozier	Simand		Selera	Kerr, Sorooshian	Kerr, Sorooshian	Kerr, Sorooshian	Cipler	Brewer	;	Moore	Monejais Mark	Sellers		Richey, Batista		Barron		Brewer		Simand	Barron	DOMESTON
Prod #	ryod #	2768		2922		2943				3019							3029			3030		3038			2035							7677				1872		1873		2370		2895			
Instrument Output Data Product	ΣI	Dorier		Dozier		Dorier				Dorier							Dozier			Dozier		Dozier			irectional, (BRDF, Gerstl							Cersu				Goetz		Goetz		Goetz		Kieffer			
Instrument Platforms Product Name	In Froduct Name	Snow Contaminant Conc		Glacier Cover, Bare Ice		Snow Liq-water Content				Snow Cover							Snow Cover, Wet			Snow Cover, Wet		Snow Grain Size			Land_sfc Reflectance, Bi-directional, (BRDF, Gerst)							Aeroson Upited Lepin				Precipitable Water		Precipitable Water		Level-18 Radionce, HIRIS		Glacier Displacement			
1 Platforr	Light	AM2		VW2		7W7				VW2							ZWZ			VW2		VW7			VW7						517	760				AM2		VW2		VW2		AM2			
nstrumen	USU UIIKI	INIS		HINGS	97075	S				HIRIS							CIXIL			HIRIS	5	COMIN			HIKOS						Statt	3				HIRIS		HIRIS		HIRIS		HIRIS			

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Output Data Product	a Product		IDS Input Regirements	at Regir	ements	Accuracy	Temporal	Horizontal	Vertical
Instrument	Platforms	Instrument Platforms Product Name	TM	Prod#	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
HIRIS	AM2	Ice Sheet Velocity (Outflow), Polar	Kieffer	2632				10~6 :: variable	liye	100 m :: Cryo	N/A :: Sfe
					Вастов	2929	BM	::		:: Land/Cryo	N/A :: Sfc
					Simard	28%	AM	10 ста ::	1/yr, 1/seas	:: Canada/R	N/A:: Sfc
HIRIS	AM2	Landorm Sfc units, Geologic	Kieffer, Clark	2884				:: 30%		30 m :: L	N/A :: Sfe
					Isacks	2851	BM		1/mission	15-30 m :: Land/R	N/A :: Sfc
					Kerr, Sorooshian	2882	BM		1/4	30 m :: Land/R	:: Sfc
					Į.	3049	AM \$	10 :: 10	1/mission	30 m :: Land/R	N/A :: Sfc
					Isacks	2982	AM S			15-30 m :: Land/L	N/A :: Sfc
					Barron	2905	AM-\$	30 m ::	1/(3 mo)	30 m :: Land/L	N/A :: Sfc
					Isacks	2062	AM-\$-		1/mission, 1/yr	15-30 m :: Land/R	N/A :: Sfc
					Lau	2904	AM-\$-	100m^2 :: 100m^2	1/mission	10 m :: LandAL	N/A :: Sfc
HIRIS	AM2	Mineral (CO3) Relative Abundance	Rowan, Clark	2766				10% :: 5%	J/seas	30 m :: Land'L	NIA :: Sfc
					Barros	2795	M	10% :: 5%	1/mission	30 m :: Land.L	N/A :: Sfc
					Isacks	27.78	WV		1/mission, 1/mo	15-30 m :: Land/L	N/A:: Sfc
HIRIS	AM2	Mineral(OH) Relative Abundance	Rowan, Clark	2776				10%::5%	l/seas	30 m :: Landil.	NIA :: Sfe
					Ватов	2795	Ą	10% :: 5%	1/mission	30 m :: Land/L	N/A :: Sfc
					Isacks	27.78	A		1/mission, 1/mo	15-30 m :: Land/L	N/A :: Sfc
HIRIS	AM2	Mineral(SO4) Relative Abundance	Rowan, Clark	2784				10% :: 5%	l/seas	30 m :: Landil.	NIA :: Sfc
					Ватов	2795	¥	10% :: 5%	1/mission	30 m :: Land/L	N/A :: Sfc
					Isacks	87.72	ΨĄ		1/mission, 1/mo	15-30 m :: Land/L	N/A:: Sfc
					Kerr, Sorooshian	2802	Æ		1/yr	30 m :: Land/R	:: Síc
HIRIS	AM2	Mineral(Fe) Relative Abundance	Rowan, Clark	2772				10% :: 5%	l/seas	30 m :: Landil.	NIA :: Sfc
					Barron	2612	¥	10% :: 5%	1/mission	30 m :: Lend/L	N/A :: Sfc
					Isacks	87.12	¥		1/mission, 1/mo	15-30 m :: Land/L	N/A :: Sfc
					Kerr, Serooshian	2802	AM		1/yr	30 m :: Land/R	ગુડ ::
HIRIS	AM2	Volcano-Activity Temperature	Rowan, Goett	3294				10 C :: 5 C	11(2-16 day)	30 m :: LandiL	N/A :: Sfc
					Mouginis-Mark	3292	¥	10 C ::	2/day [d,n]	30 m :: Land/L	N/A :: Sfc
					Mouginis-Mark	3262	Ą	30 m(hor) ::	2/day [d,n]	30 m :: Land/L	N/A :: Sfc
					Mouginis-Mark	3266	VΜ	(30m)^2 ::	2/day [d.n.]	30 m :: LandAL	N/A :: Sfc
					Mouginis-Mark	3295	AM-	1C::	1/34	30 m :: Lead/L	N/A :: Sfc
					Mouginis-Mark	3290	AM	10 C ::	[near-real time ?]	1 km :: G	N/A :: Sfe
HIRIS	AM2	Volcano-Activity Extent	Rowan, Goetz	3299					1/(2-16 day)	30 m :: Landl	N/A :: Sfc
					Mouginis-Mark	3262	₩V	30 m(hor) ::	2/day [d,n]	30 m :: Land/L	N/A :: Sfc
					Mouginis-Mark	3266	VW	(30m)^2 ::	2/dny [d,n]	30 m :: Lend/L	N/A :: Sfc
HIRIS	AM2	Land ste Reflectance, Directional	Stater	2432				3% :: 1%	1/mo	30 m :: Land/R.L	NIA :: Sfc
					Kerr, Sorooshian	2428	ВМ	3%::5%	1/(2 mo)	30 m :: Land/R	:: Stc
					Sellers	2041	WΥ			250-500 m :: Land	
HIRIS	ZWV	Vegetation Crown Height	Ustin	2656				40% :: 20%	1/(2-16 day)	30 m :: LandiL	NIA :: Sfc
					Kerr, Sorooshisn	2636	ВМ	10%:: 10%	1/hons	30 m :: Land/R	:: Sfc
					Cibler	3502	BM			1 km :: Canada/R	N/A :: Sfc
					Dickinson	3402	ВМ			Med-low_res :: Land	
					Barron	6697	AM S		1/scns	30 m :: Land.L	N/A :: Sfc
					Schimel	2641	AM S	:: 5%	1/31	30 m :: 6 sites/L	N/A :: Sfc
					Schimel	2642	AM S	.: 5%	1/31	500 m :: 6 sites/L	N/A :: Sfc
					Schimel	2643	AM \$-	36 ::	[multiple]	[multiple] :: 6 sites/L	N/A :: Sfc
					Barron	2640	AM S		1/sens	10 km :: Land/R	N/A :: Sfc
					Richey, Batista	27.26	SWV		1/scas	1 km :: Land/R	N/A :: Sfc
					Richey, Batista	2693	-S-WV	10%:: 10%	1/mo	1 km :: Land/R	N/A :: Sfc

Appendix M: IDS Input Requirements and Match Products by Instrument

Vertical	Resol :: Cover.	N/A S.F.	65	MA Cf.	N/A Cfe	MYA Cf.	N/A :: Sfc	efe	N/A Cf.	N/A :: Sfc	N/A :: Sfe	N/A :: Sfc	N/A :: Sfc	N/A :: Sfc	:: Sfe	N/A Sfc	N/A :: Sfc	N/A Sfc	N/A :: Sfc	N/A :: Sfe	N/A :: Sfc	N/A :: Sfc		N/A :: Sfc	N/A :: Sfc	N/A Sfc		N/A :: Sfe	N/A :: Sfe	N/A :: Sfc	N/A :: Sfc	N/A :: Sfc	:: Sfc		N/A :: Sfc		:: Sfc	N/A :: Sfc	NIA :: 5ft	N/A :: Sfc	N/A :: Sfc	:: Sfc		N/A :: Sfe	N/A :: Sfc	N/A :: Sfc	:: Sfc		N/A :: Sfc
Å	Resol	ANA		1	N.		N N		Ž	N	VIN	Ž	/N	N		Ž	Ž	Ž	Ž	Ž	ž	VIN		Ž	VIN	Ž		N/N	Z	VIN	N	N			N		•	Ň	VIN	V/N	V/N			VIN	V/N	N/N			V/X
Horizontal	Resol :: Cover.	30 m .: Landil.	60 m : Land/R	Mom m.OF	Nom : 6 silved	Paris y w O.S.	[multiple] :: 6 sites./]	60 m : Land/R	10 km : Land R	1 km :: Land/R	30 m :: Land/L	30-60 m :: Land/L	30 m :: LandAL	30 m :: LandA.	30 m :: Land/R	30 ta :: LandAL	60 m:1.md	30 m :: Land/L	30 m :: 6 sites/L	240-500 m :: Land/R	100 m :: Canada/R	30 m :: Land/L	30 m :: LandA.	30 m :: 6 sites/L	30 m :: LandiL	30 m :: L		10 km :: R	1 km :: Land/R	30 m :: Land/L	30 m :: L	30 m :: LandA.	30 m :: Land/L		10 km :: R	<0.5-1 deg :: Land	500 m :: Lund/R	1 km :: Land/R	30 m :: Land/L	30 m :: 6 sites/L	[multiple] :: 6 sites/L	I km :: Lend/R	30 m :: Land/L	30 m :: Land/L	30 m :: Lend/L	30 m :: Land/L	60 m :: Land/R	High_res :: Land	:: Lend/R
Temporal	Resolution	11(2-16 day)		1 Acres	184	1 Arr	[multiple]		1/seas	1/mo	11(2-16 day)	1/mo	1/5006	1/(3 mo)	1/seas	1/sees	l/mo	1/day	1/wk, 1/mo	1/mo	once	11(2-16 day)	1/day, 1/wk	1/wk	11(2-16 day)	I/mission		1/mission	l/seas	11(2-16 day)	1/mission	1/mo	1/(2.16 day)		1/mission		1/(2-16 day)	1/seas	1/(2-16 day)	1/wk	[multiple]	1/day, 1/wk	1/day. 1/wk	11(2-16 day)	1/3	1/seas			1/seas
Accuracy	Abs :: Rel	40% :: 20%	20%:: 10%		.: 5%	:: 5%	.: 5%			10% :: 10%	20% :: 10%	1:05	5::5	30 m ::				0.5 :: 0.2	10%::1%	1::1	15%:: 15%	25% :: 10%	20% :: 10%	10%::1%	30% :: 15%	25%:: 15%		25%:: 15%	20% :: 20%	30% .: 15%	25%:: 15%	40% :: 15%	40% :: 15%		25%:: 15%		40% :: 15%	20% :: 20%	25% :: 10%	10%:: 1%	10%:: 1%	20% :: 10%	20% :: 10%	20% :: 10%	57::57	5::5			5%::5%
rements	Investigator Prod # Match Type		ВМ	AM S	AM S	¥WV	AM S	ΨV	AMS	AM-S		W	AM	ΨV	AM.	WV	ΜV	WΥ	ΨV	VΜ	ΑM		BM	BM.		BM	ВМ	ВМ	ВМ		ВМ	ВМ	ВМ	ВМ	BM	BM	BM	BM	·	WM.	BW	BM	MA MA		ВМ	ВМ	BM	BM	ΨV
IDS Input Regirements	Prod #		n 2638	5639	2641	2642	ш		2640	2693		2744	7872		_	2734	2676	2675	2678	2743	3504		23.28	2264		2612	2628	2613	2627		2615	2617	2619	2628	2616	3397	818	/707		i i	2652	202	\$ 280 280 280 280 280 280 280 280 280 280		27.15				2630
ıl S(II	Investigator		Kerr, Sorooshian	Ваттов	Schimol	Schimel	Schimel	Kerr, Sorooshian	Barron	Richey, Batista		Isacks	Barron	Barron	Kerr, Sorooshism	Lau	Bates	Barron	Schimal	Isacks	Cibler		Moore	Schimel		Berron	Sellers	Вастоп	Richey, Batista		Barron	Isacks	Moore	Sellers	Ваттов	Dickinson	Moore	Nichey, Dausu		Schime	Schime	Moore	Moore		Ваттоп	Barron	Kerr, Sorooshian	Dickinson	Kerr, Sorooshian
	Prod #	2657									2746		•				•	4				2030			707	1	1			2620	4						<u> </u>	2,46.8	3 3		1_			77.		1	- 1	!:	1
ata Product	TM	Ustin									Ustin et al											Ustin, Wessman			Ustin, Wessman					Ustin, Wessman								Hene Weemon	Cores of Control					Usha, Wessman					
Instrument Output Data Product	Here with the state of the stat	Vegelation Crown Spacing									Vegetation Index											FAK. Absorbed, Vezedative, (APAR)			Vegetation Biomais, Dead					Vegetation Biomass, Green								Vegetation Chlorophyll Conc					7	regending Cover					
Dietform	Tintioria.	7,47									VW7										5	7,00		9	ZWZ					7₩7								AM2					217	7					
Inchairmen	TIPE CHIEFE	TII KIS		_						Signi	CIXIL										21011	CHIL		Sigin	200				97477	HIKIS								HIRIS					NIBIC						

Appendix M: IDS Input Requirements and Match Products by Instrument

		THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.			The Induit requirement						
nstrumen	Platforms	Instrument Platforms Product Name TM		Prod #	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
HIRIS	AMZ		Ustin, Wessman	17/1	Cibler	3502	₩			1 km :: Canada/R	N/A:: Sfc
					Barron	2640	AM \$		1/seas	10 km :: Land/R	N/A:: Sfc
					Richey, Batista	27.75	AM S		1/seas	1 km :: Land/R	N/A :: Sfc
					Moore	2721	WV	15% :: 15%	1/yr	1 ten: Lend	:: Sfe
					Sollors	2740	VΜ		1/(1-4 day)	1001	:: Sfe
					Simard	2720	VW	10% ::		:: Canada/R	N/A:: Sfc
HIRIS	AM2	Cloud Height, Bare	Welch	1390				50 m :: 50 m	11(2-16 day)	30 m :: L	N/A :: Cloud
				•	Barron	1382	BM	100 m :: 50 m	1/day	30 m :: L	100 m :: Cloud
				4	Wielicki	1387	ΨV	0.1 km :: 0.1 km	1/(16 day)	0.2 km :: R	0.1 km :: Atmos
				I	Kerr, Sorooshian	1385	W	200т :: 200т	1/hr	1 km::Land	100 mb :: Trop
HIRIS	ZW2	Cloud Drop Phase	Welch	1762					11(2-16 day)	30 m :: L	N/A :: Cloud
				1	Wielichi	1760	Ą	25%:: 10%	1/(16 day)	.03-10 km :: R	N/A :: Atmos
HIRIS	AM2	Cloud Drop Size distribution	Welch	1776				20% :: 10%	11(2-16 day)	30 m :: ₹	:: Cloud
					Dickinson	3348	BM			- O.5-1 deg∷ G	
					Wielichi	1771	¥	25%:: 10%	1/(16 day)	.03-10 km :: R	N/A :: Atmos
					Hartmann	1775	¥	20% :: 20%	1/day	10 km :: G	0-15 km :: Cloud
HIRIS	AM2	Cloud Drop Sixel Effective Radius)	Welch	1778				10 km ::	11(2-16 day)	7∷ ₩ 0€	:: Cloud
2	!				Wielicki	171	Æ	25% :: 10%	1/(16 day)	.03-10 km :: R	N/A :: Atmos
HIRIS	AM2	Albedo. Cloud	Welch	2008				5% :: 5%		90 m :: R	:: Cloud
					Sellers	2002	BM				
					Dickinson	3361	BM			<0.5-1 deg :: G	
					Kerr, Sorooshian	9002	AM S	5%:: 5%	1/hr	500 m :: Land/R	:: Cloud
HIRIS	AM2	Cloud Reflectance, Bi-directional, (BRDF)	Welch	2037				:: 1%		30 m :: R	:: Cloud
					Wielicki	2423	AM	5%:: 2%	1/day	0.2-2 km :: R	N/A :: Cloud
HIRIS	AM2	Cloud Cover	Welch	2079				1%::05%	11(1-3 min), 11(2-16 day)	30 m :: T	:: Cloud
					Barron	2051	ВМ	5::5	1/day	30 m :: L	N/A :: Cloud
					Wielicki	202	BM	2%:: 2%	1/(16 day)	30 m :: R	N/A :: Atmos
				-	Moore	2057	¥	10% :: 10%	1/wk	1 km :: G	
					Kerr, Sorooshian	2075	VΨ	5%::5%	1/day	10 km :: Land/R	N/A :: Cloud
HIRIS	AM2	Cloud Liq water Content	Welch	2281				30% :: 10%		90 m :: R	:: Cloud
		!			Kerr, Sorooshian	1905	ΑM			30 m :: Land/R	:: Cloud
HIRIS	AM2	Cloud Optical Depth	Weich	2309				3%::15%	11(1-3 min), 11(2-16 day)	30 m :: ₹	N/A :: Cloud
					Barron	2303	ВМ	3%::3%	1/day	30 m :: Осеап/L	N/A :: Cloud
HIRIS	AM2	Cloud Height, Top	Welch, Goetz	1426				500 m :: 250 m	11(2-16 day)	30 m :: L	N/A :: Cloud
					Вастоп	1414	ВМ	100 m :: 25 m	1/day	30m::L	100 m :: Cloud
					Wielicki	1421	МΑ	0.1 km :: 0.1 km	1/(16 day)	0.2 km :: R	0.1 km :: Atmos
					Kerr, Sorooshisa	1417	VW	:: 0.5 km	1/hr	1 km :: Land/R	:: Cloud
HIRIS	AM2	Vegetation Type	Wessman	2644				10% :: 10%	11(2-16 day)	30 m :: Landl	NIA :: Sfe
					Barron	2729	ВМ	57::57	1/31	30 m :: Land/L	N/A:: Sfc
					Kerr, Sorooshian	2733	BM		1/sees	30 m :: Land/R	:: Sfc
					3	2734	BM		1/scas	30 m :: Land/L	N/A :: Sfc
					Вастов	2739	ВМ	30 8 ::	1/(3 mo)	30 m :: Lende	N/A :: Sfc
					Cible	3504	BM	15% :: 15%	once	100 m :: Canada/R	N/A :: Sfc
					Kerr, Sorooshim	2630	WV	5% :: 5%	1/seas	:: Lend/R	N/A :: Sfc
					Ватов	2799	¥	57::51	1/31	30 m :: Lend/L	N/A :: Sfc
					Barron	1812	Ą	5::5	1/seas	30 m :: Land/L	N/A:: Sfc
					Dickinson	3400	¥			High_res :: Land	
					Barron	27.28	W	5757	- N	Money i and Ol	N/A Sfc

Appendix M: IDS Input Requirements and Match Products by Instrument

Prod # Investigator Prod # Marsen 2644 Marsen 2731	Instrument Output Data Product	MS Innut Penirements	A 2011111	Territoria		
AM2 Vegetation Cellulose Come Wessman, Aber 2648 AM2 Vegetation Lights Come Wessman, Aber 2648 AM2 Vegetation Lights Water Content Wessman, Aber 2687 TRM Lightsing Radian Ehergy Christian 3643 TRM Lightsing Radian Ehergy Christian 3643 PM Wind Shess, Sea_3fe 18D 3559 PM Wind Shess, Sea_3fe 18D 3559	Prod #	r Prod # Match Typ		Resolution	Resol :: Cover.	Vertical Resol :: Cover
History Pagestation Cellulose Cone Westman, Aber 2647 House 2647 House 2647 House 2648 House 2648 House 2649 Ho	2644	3405 AM			<0.5-1 deg :: Land	
AM2 Vegetation Cellulost Conc. Weterman, Abr. 2667 2664 Moore 2696 2667 Abr. 2668 2667 Abr. 2668 2668 Abr. 2668 <th< td=""><th></th><td>L</td><td>5%::</td><td>1/wk</td><td>500 km :: Lend</td><td>:: Sfc</td></th<>		L	5%::	1/wk	500 km :: Lend	:: Sfc
Micros 2447 Micros 2467 Micros 2467 Micros 2467 Micros 2467 Micros 2695 Micros 269	2648		40% :: 20%	11(2-16 day)	30 m:: Land/L	NIA :: SÆ
Moore 2666	Moore	Ц	20% :: 20%	1/(16 day)	30 m :: Land/L	
Mone 2655	Moore		20% :: 20%	1/(16 day)	30 m :: LandAL	:: Sfc
AM2 Vigitation Lighus Cont. Westman, Abor 1847 2637 Moore 2695 AM2 Vigitation Ledfittine Water Cont. Westman, Cort. 2761 Moore 2695 Schimel 2865 AM2 Vigitation Ledfittine Water Cont. Westman, Cort. 2761 Moore 2762 2762 TRM Lightning Ration Energy Christian 1756 Bacon 1757 CR PM Wind Streets, Sea .gfc TBD 3541 Dicktinson 344 1709 PM Wind Streets, Sea .gfc TBD 3594 Baca 1712 1745 PM Wind Streets, Sea .gfc TBD 3595 Harrie 1709 1745 PM Wind Streets, Sea .gfc TBD 3595 Baca 1742 Lin 1717 PM Wind Streets, Sea .gfc TBD 3595 Baca 1742 Lin 1714 PM Wind Streets, Sea .gfc TBD 3595 Baca 1742 Lin 1744 PM Wind Streets, Sea .gfc TBD 3595 Baca 1742 Lin 1744 PM PM PM 4445 Authorit 1707 Authorit 1707 Authorit 1707 PM PM 4445 TBD 3595		2695 AM-S-	20% :: 20%	1/(16 day)	1 km :: Land/R	:: Sfc
Moore 2846	. 2687		40% :: 20%	1/(2-16 day)	30 m :: LandiL	NIA :: SJE
Schimel 285	Moore	_	20% :: 20%	1/(16 day)	30 m :: Land/L	
Schimed 2866	Schimel		20% :: 1%	1/scas	30 m :: 6 sites/L	N/A :: Sfc
Moore 2956	Schimel	2686 BM	20%::1%	(multiple)	[multiple] :: 6 sites/L	N/A :: Sfc
Moore 2005 Moor	Moore	2696 AM-\$-	20% :: 20%	1/(16 day)	30 m :: LandA.	:: Sfc
TRM Lightning Rate		2695 AM-\$-	20% :: 20%	1/(16 day)	1 km :: Land/R	:: Sfc
Moore 2762	Wessman, Goeta 2761		50% :: 20%	11(2-16 day)	30 m :: LandiL	N/A :: 5fc
TRM Lightning Rate Christian 1756 Barron 1757 Kert, Secrochism 1758 Barron 1757 Kert, Secrochism 1758 Dickitison 3340 Dickitison 3440 Dickitison Dic	Moore		20% :: 20%	1/day, 1/wk	30 m :: LendAL	:: Sfc
TRM Lightning Rate Christian 1755 Berrow 1757		2762 AM-S-	20% :: 20%	1/day, 1/wk	30 m :: Land/L	:: Sfc
Barron 1757	1756		%5::		D7 dg :: G	N/A :: Atmos
TRM	Barron	1757	10% :: 10%	1/day	10 km :: G	N/A :: Atmos
Dicitinson 3340	Kerr, Sorooth	1758	1::1	1/(10 min)	1 km :: Land	:: Trop
TRM Lighbuing Radiane Energy Christian 3643 Dickitacon 3340	Dickinson	3340			<0.5-1 deg :: G	
TRM		-			<05-1 deg :: G	
PM Wind Streen, Sea_1fc 18D 3504 Bace 1709	3643				D :: 8 D Z O	N/A :: Atmos
PM Wind Sirezs, Sea_sife TBD 3594 Bates 1709		3340 BM			<0.5-1 deg :: G	
Bates 1709	3594				39 km :: Ocean	N/A :: Sfe
Butwer 1710	Bass			2/day (d,n)	50 km :: Ocean	N/A :: Sfc
Scolous 1716 Tapley 1745 Abbott 1707 Abbott 1708 Bate 1742 Lau 1743 Murakami 1744 Harsen 1663 PM Wind Spears, Sea_aft 7BD 3595 PM Precipitable Water 7BD 3596 Harris 3435 PM Abbott 1707 Abbott 1707 Abbott 1707 Abbott 1707 Scolous 1866 Scolous 1868	Brewer		15% :: 5%	1/day, 1/seas	25 km :: Ocean	N/A :: Sfc
Tapley 1745	Srokosz		1 m/s :: 0.1 m/s	1/day	25 km :: Ocean [South Atlan]	N/A :: Sfc
Abbott 1707	Tupley		10% ::	4/day	50 km :: Ocean	N/A :: Sfc
PM Wind Spezzs, Sea_yf; TBD 3595 Harris 3439	Урроп	4	10% :: 5%	1/(10-20 day)	25 km :: Ocean [Southern]	N/A :: Sfc
Bates 1742	Abbott		10% :: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	N/A :: Sfc
Liu 1743	Back				:: Ocean	:: Sfc
Liv 1713	2		:: 10.0		:: Ocean	N/A :: Sfc
Municani 1744 Harsen 1744 Harsen 1745 Harsen 1653 Lau 1739 Harsen 1745 Harsen 1745 Harsen 1747 Tapley 1717 HBD 1745 Harsen 1745 Harsen 1745 Harsen 1745 Harsen 1745 Harsen 1767 Harsen 1767 Harsen 1866 Harsen 1866 Srotosz 1868 Harsen 1866	Liu	1713	1::1	1/day	25 km :: Ocean	N/A :: Sfc
Harsen 1663	Munkemi	1744	0.01 ::		:: Ocean	N/A:: Sfc
Lau 1739 Herris 3435 Tapley 1717 Tapley 1717 Tapley 1717 Tapley 1717 Tapley 1717 Tapley 1742 Tapley 1742 Tapley 1742 Tapley 1743 Tapley	Hansen		10%	1/wk	500 km :: Ocean	:: Sfc
Tapley Tapley 1717 1717 1717 1717 1717 1717 1717 1718 1717 1718 171		1	0.5 m/s :: 2%	2/day	100 km :: Q	N/A :: Sfc
PM Wind Stream, Sea_aft TBD 1595 1717	all mark	3433 AM	4.01-7 :: 4.01-C	1-10 days	1-25 km :: Ocean/R	N/A :: Sfc
Bates 1742 Lau 1743 Lau 1744 Lau 1744 Lau 1744 Lau 1707 Lau 1744 Lau 1707 Lau 1866 Lau Lau 1866 Lau Lau 1866 Lau	3032		1 11/2 ::	4/08/	SUGDE: October	N/A :: Stc
Lau 1743	GCC C	1742 RM		l mo	I dg :: Ocean	N/A :: 5/c
PM Practipitable Water TBD 3596 Abbott 1707 Liu 1866 550 total 1866 1866	= -	\downarrow	: 100		mano:	316 ::
PM Pracipitable Water TBD 3596 Abbott 1707 Harris 3439 Liu 1866 Srokozz 1868	Municipal	1	00	And the second s	See See See See See See See See See See	N/A :: Sfc
PM Precipitable Water TBD 3596 Harris 3439 Liu 1866 Srokozz 1868	Abbott		10% :: 5%	1/(10-20 day)	25 km :: Ocean [Southern]	N/A :: Sfc
3439 1866 1868					22 km :: Ocean	Column :: Trop
1868	Harris	3439 BM		1/day	10-25 km :: Ocean/R	-
1868	Liu		0.5::0.5	1/day	25 km :: Ocean	Column:: Trop
	Srokosz		1kg/m^2 :: 0.1kg/m^2	2/day	10 km :: Ocean [South Atlan]	N/A :: Atmos
1858	Abbott		10%:: 5%	1/(1-2 day)	25 km :: Ocean (Southern)	Column:: Trop
Barron 1860 /	Ватоп	1860 AM	3%::1%	1/day	10 km :: R	Column :: Trop

Appendix M: IDS Input Requirements and Match Products by Instrument

	TURAL NUMBER CARBON TARIS L'EGUACE	ARE L'IOUDE		The tribut vedit cut			Accus acy	•		
ument Platform	Instrument Platforms Product Name		Prod #	Investigator Prod # Match Type	rod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
MIMR PM	Cloud Liq water Total Column	TBD	3598						22 km :: Ocean	N/A :: Trop
	ļ			Hartmann	9161	BM	0.05 :: 0.05	1/day	10 km :: Ocean	Column :: Trop
			ı	Ватгоп	1903	BM	0.1 :: 0.05	1/day	10 km :: R	1 km :: Cloud
				Wielicki	9061	Ą	20% :: 10%	2/day [d,n]	12-25 km :: G	N/A :: Atmos
				Wielicki	1907	MA	50%:: 10%	6/day [d,n]	25-100 km :: G	N/A :: Atmos
				Dickinson	3357	VW			<0.5-1 deg :: G	
				Abbott	1918	¥	10%:: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	Column :: Trop
				Srokosz	1922	νw	10% :: 0.1kg/m^2	2/day	10 km :: Ocean [South Atlan]	N/A :: Trop
MIMR PM	Precipitation Rate	TBD	3600						22 km :: Global	NIA :: SJE
				Abbott	1972	BM	5%::1%	(1-2)/day	25 km :: Ocean [Southern]	N/A :: Trop
				Isacks	1933	BM		1/event, 1/mo	5-50 km :: Land/R	N/A :: Sfc
	•		•	Simard	1937	BM	20%::		:: Canada/R	N/A :: Trop
			_	Srokoez	1975	BM	10% :: 1mm/hr	2/day	10 km :: Ocean [South Atlan]	N/A :: Trop
			•	Dickinson	3359	BM			<0.5-1 deg :: G	
				Lis.	1973	BM	1::1	2/day	25 km :: Ocean	N/A :: Trop
				Bates	1958	BM			10 km :: G	1 lvl :: Sfc
			•	Kerr, Sorooshisa	1959	BM	20% :: 20%	1/day	S:: m 008	N/A :: Trop
			•	Brewer	1928	ΨV	2 :: TBD	1/day, 1/scas	:: Ocean/L	N/A :: Sfc
				Brewer	1929	ΜV	2:: TBD	1/day, 1/seas	:: Ocean	N/A :: Sfc
				Hartmann	1661	¥	10:: 10	1/day	10 km :: Ocean	N/A :: Trop
				.e.]	1936	¥	2::2	1/day	50 km :: R	N/A :: Sfc
				Murakami	1938	VΨ	10% ::			
				Wielicki	1940	Vγ	50% :: 25%	4/day [d,n]	25-50 km :: G	Ν/Α :: Τωρ
				Валтов	1926	WW	2::1	1/day	100 km :: G	N/A :: Trop
				Harris	3441	WV	2::1	2.Kday	20-50 km :: Ocean/R	
				Sellers	1939	ΜV		4/day	100 tm ::	
				Barron	1351	VW	2::1	1/day	10 km :: R	N/A :: Trop
				Moore	1974	WΥ	10%:: 10%	1/wk	1km:: G	
MIMR PM	Precipitation Index	TBD	109£					ow I	I dg :: Global	NIA :: Sfc
				Murakani	1938	BM	10% ::			
				Dickinson	3359	BM-			<0.5-1 deg :: G	
				Hansen	1930	BM	10%::	1/wk	500 km :: G	:: Sfc
				Bates	1968	WV	Հտայիւ ։։ 1տայիւ	2/day [d,n]	50 km :: G	N/A :: Trop
				Isacks	1933	AM-		1/event, 1/mo	5-50 km :: Land/R	N/A :: Sfc
				Batos	1970	VW		1/day	26-52 km :: Land	N/A :: Sfc
				Cihlar	3488	AM	0.1 மா :: 0.1 மா	1 day	500m :: Canada/R	N/A :: Sfc
MIMR PM	Sea sfc Temperature (SST)	TBD	3603						60 km :: Ocean	NIA :: Sfe
				Dickinson	3393	ВМ			<0.5-1 deg :: Ocean	
				Wielicki	2521	BM	1 K :: 0.5 K	1/wk	1.25 dg :: Occess	N/A :: Sfc
				Abbott	2505	ΨV	1 K :: 0.1 K	(1-2)/day	50 km :: Ocean [Southern]	N/A :: Sfc
				Ваттоп	2506	ΨV	0.5 K ::	1/day	100 km :: Ocean	N/A :: Sfc
				3	2514	¥	0.5 K ::	1/wk	100 len :: Ocean	N/A :: Sfc
				Murakami	2518	Ą	0.2 K ::		O::	N/A :: Sfc
				Lau	25152	₩	0.2 K :: 0.2 K	1/wk	200 km :: Ocean	N/A :: Sfc
				Rothrock	2519	ΨV	1K::1K	1/(2 day)	30 km :: G	N/A :: Sfc
				Lin	2516	ΨV	0.5 K ::	1/day	50 km :: R	N/A :: Sfc
				Dec	36,00	MY	05K::04K	1777	-1.0	70. 1111

Appendix M: 1DS Input Requirements and Match Products by Instrument

	Instrument Output Data Product		_	25	ut Keoir	IDS Input Regirements	Accileace	Temmor	Horizontal	Verticel
Platforms	Product Name	TM	Prod#	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
	Sea_sfc Temperature (SST)	TBD	3004				1K::	J mo	I dg :: Ocean	N/A :: Sfe
				Dickinson	3393	BM			<0.5-1 deg :: Ocean	
				Munkani	2518	WV	0.2 K ::		9:	N/A :: Sfc
- 1				Lau	2515	νм	0.2 K :: 0.2 K	1/vk	200 km :: Ocean	N/A :: Sfc
	Soil Moisture	TBD	3605						60 km :: Land	N/A :: Sfe
				Bates	2960	ВМ	:: 40€		43 km :: Land	N/A :: Sfc
			LI	Dickinson	3411	BM			Low_res :: Land	
				Murakami	3066	ВМ			:: Land	N/A :: Sfc
				Sellers	1967	BM		1/(1-4 day)	100 km ::	:: Sfc
				Simand	2949	BM	:: %01		:: Canada/R	N/A :: Sfc
				Hansen	2962	ВМ	10% ::	1/wk	500 km :: Land	:: Sfc
			·	Ваттоп	2947	BM	0.05 :: 0.02	1/day	100 km :: Land	N/A :: Sfc
				Dickinson	3412	ВМ			Med_res :: Land	
				Moore	9962	ВМ	30% :: 30%	1/wk, 1/mo	1-25 km :: Lend	:: Sfc
				Вагтов	2946	BM	0.05 :: 0.02	1/day	10 km :: Land/R	N/A :: Sfc
				Lau	2962	ВМ	10% :: 5%	1/(3 day)	3 km :: Land/R	N/A :: Sfc
				Richey, Batista	2958	BM		1/mo	1 km :: Land/R	N/A :: Sfc
			-	Cibler	3493	AM S-	10% :: 20%		1 km :: Canada/R	N/A :: Sfc
•	Soil Moisture	TBD	3606					I mo	I dg :: Land	N/A :: Sfe
			•	Murkeni	3066	BM			:: Land	N/A :: Sfc
				Simend	2949	BM	10%::		:: Canada/R	N/A :: Sfc
	,		•	Hansen	2962	BM	10%	1/wk	S00 km :: 1.and	:: Sfc
	:		•	Dickinson	3411	ΨV			Low res :: Land	
ı - '	Snow Cover	TBD	3607						22 km :: Land	NIA :: Sfc
			•	Barron	3003	BM	5%::5%	1/day	100 km :: Land	N/A :: Sfc
			•	Wielicki	3016	BM	10% :: 5%	1/day	S0 km :: Land	N/A :: Sfc
			•	Sellen	3015	BM		1/(1-4 day)	100 lan ::	:: Sfc
				Munkani	3014	AM	10% ::		:: Land	N/A :: Sfc
				Sellers	1984	AM-S-				
				Bates	3006	AM		2/day [d,n]	50 km :: Land	N/A :: Sfc
				Hansen	3006	AM	0.02 ::	1/wk	500 km :: Land	:: Sfc
				Bates	3007	νγ	<=5% :: <=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc
Ī				Simand	3026	ΨV	10km ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
•	Snow Cova	780	300					I mo	I dg :: Land	NIA :: Sfe
ľ				Murakami	*10	W	:: %01		:: Land	N/A :: Sfc
•	28 V 27 D26	091	2000	1	***	i			22 fm :: Ocean/Cryo	zyc ::
				Note:	3 5	E C	7.7 :: 0.4	(Ámb c)/I	25 km :: OceanyCryo	N/A :: Sic
				Derivou	21.6	D'A		APD/1	TOTAL :: Ocean/Cryo	N/A :: Sic
۱	Can Lead and	Car	132	Defroit		DM		1 / Olling	10 km :: Ocean/Cryo	N/A :: Stc
-		1		1100	3140	MA	301 301	1-11	22 rout :: Oceanory	26:: AIM
				Dicking	21.2	E Z	801 :: 801	furol kun/7	SUKER :: OCERANISO	N/A :: 51C
				D. t. t.		E d			CUD-1 deg :: Ocean/Cryo	
				Kottroct	3 1	W	0.2 :: 0.2	I/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
				Rottrock	3178	BM	0.03 :: 0.03	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
			•	Rothrock	3175	BM	0.2 :: 0.2	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
				Wielicki	2919	BM	10%:: 5%	1/day	50 km :: Ocean/Cryo	N/A:: Sfc
			•	Rothrock	3188	BW	0.03 :: 0.03	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
				Simend	3183	BM	:: E50S		6-1	

Appendix M: IDS Input Requirements and Match Products by Instrument

Instrument Platforms Product Name MIMR PM Sea_Ice Conc MIMR PM Sea_Ice Estent	Sea Ice Conc TBD Sea Ice Extent TBD	TBD 3611	Haran Baran	Ilgator Prod # Match	BM BM BM BM BM BM BM BM BM BM BM BM BM B	Abs :: Rel 0.5 km :: 0.5 km 5% :: 5%	Resolution 1/(3 day) 1/4ay 1/4ay 1/4ay	Resol :: Cover. 25 km :: OceanCryo 100 km :: OceanCryo 100 km :: OceanCryo 100 km :: > 60 dgLAT 500 km :: OceanCryo 50	Resol :: Cover. N/A :: Sfc N/A :: Sfc N/A :: Sfc
	Sea Ice Extens		Rothrock Barron Barron Barron Harsen Harsen Barron Barron Barron Sirnard Srokorz Abbott Sirnard Srokorz Barron Sirnard Srokorz Abbott Sirnard Sirnard Sirnard Sirnard Sirnard Sirnard Sirnard Sirnard Sirnard Sirnard Sirnard	31136 31136 31137 31130 31131 3114 3114 3115 3116 3115 3116 3116 3115	BW BW BW BW AW AM AM	0.5 km :: 0.5 km 5% :: 5% 3% ::	1/(3 day) 1/day 1/(4ay 1/(3 day)	25 km :: Ocean/Cyo 100 km :: Ocean/Cyo 100 km :: Ocean/Cyo 100 km :: > 60 dg/AT 600 km :: Ocean/Cyo	N/A :: Sfc N/A :: Sfc N/A :: Sfc
	Sea lee Estent		Barron Barron Harsen Harsen Barron Barron Barron Brewer Simard Srokorz Abbott Simard Srokorz Barron Barron Simard Srokorz Abbott Simard Srokorz Barron	311% 31173 31180 31180 31174 31174 31181 31181 31181 31181 31181 31181	BW BW BW BW BW AW AM AM	\$50:::\$60 ::\$60	1/day 1/day 1/3 day)	100 km :: Ocean/Cryo 100 km :: Ocean/Cryo 100 km :: > 60 dgLAT	N/A:: Sfc N/A:: Sfc
	Sea ce Extent		Bates Bates Hanseen Barron Barron Barron Simard Srokozz Abbott Sokozz Barron Abbott Abbott Abbott Abbott Abbott Abbott Anbott 3113 3110 3110 3117 3114 3114 3116 3118 3116 3118	BM BM BM AM AM AM AM	3%:	1/day 1/(3 day)	100 km :: Ocean/Cryo 100 km :: > 60 dgLAT	N/A :: Sfc	
	Sea lee Eston		Bates Hansen Barron Barron Brower Sinard Schorz Abbett Sinard Srokozz Barron Abbett Abbett Abbett Abbett Anner	3112 3119 3114 3114 3141 3142 3161 3161 3161 3161	BM BM BM BM BM BM AM	3%:	1/(3 day)	100 km :: > 60 dgLAT	
	Sea_lee Extent		Hansen Barron Barron Brewer Sinard Sokosz Abbott Sinard Srokosz Barron Abbott Abbott Abbott Abbott Abbott Abbott Abbott Abbott Abbott	3150 3174 3174 3141 3141 3156 3161 3161 3156	BW BW BW WW	3%:		COURT :: Committee	:: Sfe
	Sea lee Extent		Barron Barron Brewer Simard Srokosz Abbott Srokosz Barron Abbott Abbott Abbott Abbott Abbott Abbott Anbott	3137 3149 3141 3141 3156 3156 3156 3156 3156	BW BW WW		17×k	JAN MIH VACOUNTY IV	:: Sfc
	Sea lee Extent		Baroa Brewer Simard Srokosz Abbott Simard Srokosz Baroa Abbott Rothrock Simard	3174 3149 3141 3142 3156 3157 3151 3151	BW BW WW AM AM	5%::5%	1/day	10 km :: Ocean/Cryo	N/A :: Sfc
	Sea lee Estent		Simurd Scokosz Abbott Simurd Srokosz Barron Abbott Abbott Rotbrock Simurd	3149 3141 3142 3156 3158 3161 3161 3156	BM BM AM AM		1/day	10 km :: Ocom/Cryo	N/A:: Sfc
	Sea lee Estent		Simard Sokorz Abbott Simard Srokorz Barron Abbott Rothrock Simard	3141 3142 3156 3158 3161 3161 3156	BM AM	10%:: 1%	1/day, 1/seas	10 km :: Ocean/Cryo	N/A :: Sfc
	Sea lee Esteni		Srokorz Abbott Simard Srokorz Barron Abbott Rothrock Simard	3156 3156 3161 3161 3156	WA AM	10km/10% ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
	Sea Jce Extens		Sinard Srokozz Barron Abbott Rothrock Sinard	3156 3157 3158 3161 3156	¥ ¥	10% :: 1%	1/day	10 km :: Ocean/Cryo	N/A :: Sfc
	Sea Jce Extens		Sinard Srokozz Barron Abbott Rothrock Sinard	3158 3161 3161 3156	Ą		1/day	25 km :: Ocean/Crye	N/A:: Sfc
	Sea Jce Esteni		Srokosz Barron Abbott Rothrock Simard	3158 3161 3156 3175		25km ::	1/(7 day)	25 km :: Canada/R	N/A :: Sfc
	Sea lee Esteni		Barron Abbott Rothrock Simard	3156	WΥ	0.1 dg :: 0.01 dg	1/day	N/A :: Ocean/Cryo	N/A :: Sfc
	Sea lee Esteni		Abbott Rothrock Simerd	3156	ΑM	5%:: 5%	1/day	10 km :: Ocean/Cryo	N/A :: Sfc
			Abbott Rothrock Simerd	3156				22 bn :: OceanCryo	NIA :: Sfe
			Rothrock	31.75	ВМ		1/day	25 km :: Ocean/Cryo	N/A:: Sfc
			Simend		BM	0.2:: 0.2	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
				3162	BM	25km ::	1/(7 day)	25 km :: Canada/R	N/A :: Sfc
			Rothrock	3189	BM	0.05 :: 0.05	1/(3 dmy)	25 km :: Ocean/Cryo	N/A :: Sfc
			Simend	3157	BM	25km ::	1/(7 day)	25 km :: Canada/R	N/A :: Sfc
			Simerd	3190	BM	10km/10% ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
			Srokosz	3158	BM	0.1 dg :: 0.01 dg	1/day	N/A :: Ocean/Cryo	N/A :: Sfc
			Rothrock	3103	BM	0.5 km :: 0.5 km	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
			Barros	3160	BM	5%:: 5%	1/day	100 km :: Ocean/Cryo	N/A :: Sfc
				3161	BM	5%::5%	1/day	10 km :: Ocean/Cryo	N/A :: Sfc
MISR AM	Cloud Heigh, Top	Diner 1432*				~1000 m :: <1000 l>	11(S-16 day) [d]	S ton :: G	NIA :: Trop
	•		Dickinson	3349	BM			<0.5-1 deg :: G	
			Barros	1413	WV	100 m :: 25 m	1/day	10 km :: R	100 m :: Cloud
			Rothrock	1419	ΨV	0.2km :: 0.2km	1/day	100 km :: Polse	:: Cloud
			Hansen	1399	¥	:: el 05	1/wk	500 km :: G	:: Cloud
			Kerr, Sorooshisa	1417	ΨV	:: 0.5 km	1/hr	1 km :: Land/R	:: Cloud
			Wielicki	1422	WW	0.5 km :: 0.1 km	6/day [d,n]	25-100 lem :: G	0.1 km :: Atmos
MISR AM	Cloud Heigh, Top	Diner 1433*				100 m :: 100 m	11(S-16 day) [d]	500 m :: R	do 1:: VIN
			Kerr, Sorooshisn	1417	ВМ	:: 0.5 km	1/hr	1 km :: Land/R	:: Cloud
			Barron	1413	AM	100 m :: 25 m	1/day	10 km :: R	100 m :: Cloud
MISR AM	Aerosol Size-distribution	Diner 1993				15% :: 10%	11(5-16 day) [d]	15.4 km :: G	Column :: Atmos
			Batos	1019	BM	:: 20%	1/(S-16 day)	15.4 km :: G	Column :: Atmos
			Hertmann	1020	BM	20%:: 20%	1/day	20 EB :: C	N/A :: 0-15 km
			Isacks	1024	WV	:: 20%	1/wk	2-15 km ::	Column :: Atmos
			Schoeberl	1031	VW	10% :: 5%	1/day	200 km :: G	1 Icm :: Stret
MISR	Aerosol Size-distribution	Diner 1994*				15% :: 10%	1/(5-16 day)	1.9 km :: R	Column :: Atmos
			Isacks	1024	BM	:: 20%	1/wk	2-15 km ::	Column :: Atmos
			Hartmann	1020	VΜ	20% :: 20%	1/day	20 km :: G	N/A:: 0-15 km
MISR AM	Albedo, Planetary Spectral, TOA	Diner 2011				10'0 :: £0'0=>	11(5-16 day) [d]	1.92 km :: G	NIA :: TOA
			Dickinson	3365	BM			<0.5-1 deg :: G	
			Kerr, Sorooshian		BM	10% :: 10%	1/day	25 km :: Land/R	:: TOA
			Ваттоп	2023	VΨ	3::	1/day	100 len :: G	N/A:: TOA

Appendix M: 1DS Input Requirements and Match Products by Instrument

		Instrument Output Data Product	Jana Hoduci	_	IDS Input Regirements		- thens	ACCUTACE	Termore	- tronge	
Instrument	Platforn	Instrument Platforms Product Name		-	Investigator Prod # Match Type	# por	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
MISR	¥	Albedo, Spectral, Land sfe	Diner 2	2021•				10'0 :: £0'0=>	11(5-16 day) [d]	240 m :: R	NIA :: Sfe
					\dashv	1998	ВМ	:: 3%	1/wk	250 m :: Land/R	N/A :: Sfc
						3366	ВМ			High_res :: Land	
					_1	88	ВМ	5%::1%	1/wk, 1/mo	50 m :: Lend/L	
				7	Kerr, Sorooshina	2014	BM	10% :: 10%	1/wk	500 m :: Land	N/A :: Sfc
M/J/K	¥	Albedo, Spectral, Land sfc	Diner	707				<i>10.03 :: 0.01</i>	11(5-16 day) [d]	1.92 km :: G	NIA :: Sfe
					\dashv	6102	BM	2%::		:: Canada/R	N/A :: Sfc
				1	_	3367	BM			High_res :: Land	
					Hansen	2017	ВМ	0.02 ::	1/wk	500 km :: Land	:: Sfe
MISR	₹	Cloud Reflectance, Bi-directional, (BRDF)	Diner	2038*				3% :: 1%	(variable) (d)	240 m :: R	N/A :: Trop
				1	Wielicki	3615	ВМ	5%:: 2%	TBD	10 dg [Angle] :: G	N/A :: Cld
					_	2423	BM	5%:: 2%	1/day	0.2-2 km :: R	N/A :: Cloud
				لئت	Kerr, Sorooshim	2006	AM S	5%:: 5%	1/4	500 m :: Land/R	:: Cloud
					Sellers	2002	AM				
MISR	₹	Cloud Reflectance, Bi-directional, (BRDF)	Diner	2039*				3% :: 1%	(variable) (d)	1.92 km :: G	N/A :: Trop
_					-	2546	BM			Đ::	N/A :: Cloud
					Wielicki	3615	BM	5%:: 2%	TBD	10 dg [Angle] :: G	N/A :: CIA
					Wielicki	2423	BM	5%:: 2%	1/day	0.2-2 km :: R	N/A :: Cloud
MISR	Y.	Aerosol Optical Depth	Diner 2	2298*	-			0.05/10% :: 0.05/10%	11(5-16 day) [d]	1.92 km :: R	Column :: Atmos
					Isacks	33.86	BM	5-15% :: 1-10%	1/wk	10-50 km :: Land/R	Column :: Atmos
					Kerr, Sorooshian	2325	BM	10% :: 10%	1/(5-16 day)	10 km :: Land/R	:: Atmos
					Murakami	zazı	Æ	5-10% ::		Ð::	N/A :: Atmos
						1008	AM-S-	50% ::	1/(2 day)	1 km :: G	
					_	2288	Æ	::			
				T	Mouginis-Mark	3273	ΨV	1 km ::	1/orbit, 1/day	1 km :: Lend/L	N/A :: Plume_col
MISK	¥	Aerosol Optical Depth	Diner	2200 6627				0.05/10% :: 0.05/10%	11(5-16 day) [d]	15.4 km :: G	Column :: Atmos
					+	1001	BW.	tau=0.02 ::	1/wk	500 km :: G	:: Trop
					+	2287	BM	tau=0.02 ::	1/wk	500 km :: G	:: Strat
					+	2001	BM	tau=0.02 ::	1/day	20 km :: G	3 lcm :: 0-15 km
					_	3383	₹			<0.5-1 deg :: G	
					+	2288	ξ	::			
				1.	+	5789	Æ	0.10 :: 0.10	1/day	1.25 dg :: G	N/A :: Atmos
92/74					Harris	344	¥	10%,0.05 :: 5%,0.02	2/day-1/day	20-50 km :: Ocean/R	
ST.	ŧ	rigmens Cone, rayiopianation	Diner 1	, 867		555		30% :: 30%	11(1-2 day) [d]	240 m :: OceaniR	N/A :: T00
					\dagger	300	£ :	10.0 :: 0.1mg	1/cm)	I KIII :: Ocean (South Atlan)	N/A :: SIC
MISR	MA	Piement Cone Photonionitras	erio.	35.80	Vecout	/87	ωV.	30% :: 10%	1/(1-2 day)	1-4 km :: Ocean [Southern]	N/A :: T00
				.d	Althors	695	MG	200 200	(n) (6m 7.1).1	1.92 km .: Oceano.r	NA :: 100
				1	+	585	Ma Ma	#01 :: #CC	(KI-2 day)	1-4 km :: Ocean [Southern]	001 :: A/N
MISR	¥	Land of Reflectance, Bi-directional, (BRDF, Diner		263/	ł			\$474.	1115-16 4001 141	1 03 tC	N/A:: 100
		•		<u> </u>	Sellers	2034	BM		7.1/6		36
				1		2043	BM	5%:: 2%	[b] wab/[0.2-2km :: R	N/A :: Sfc Atmos
					Cibler	34%	EM EM	0.05 :: 0.001	1 wk (for 1 yr)	:: Canada/R	N/A :: Sfc
					\dashv	33.70	W			<0.5-1 deg :: Land	
						3371	VΜ			<0.5-1 deg :: Land	
				1		3369	VΜ		- dimensional	<0.5-1 deg :: G	
					Brewer	2426	₹	3%::1%	1/day, 1/scas	1.7 km :: Ocean	N/A C.C.

Appendix M: IDS Input Requirements and Match Products by Instrument

Proof # Investigates Proof # Maich Type Abs :: Red Resolution Reach :: Cover.			Instrument Output Data Product	Product		IDS Input Regirements	ut Regir	ements	Accuracy	Temporal	Horizontal	Vertical
Mail	Instrumen	t Platform	B Product Name	TM	Prod #		Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Section Sect	MISR	M	Land of Reflectance, Bi-directional, (BRD)	F, Diner	2632				5% :: 2%	11(S-16 day) [d]	240 m :: R	N/A :: Sfe
Main						Sellen	2041	BM			250-500 m :: Land	
Column C						Wielichi	2043	BM	5%:: 2%	1/day [d]	0.2-2km :: R	N/A :: Sfc, Atmos
Column C						Kerr, Sorooshian	2042	BM	10%:: 10%	1/seas	N/A :: Land	N/A:: Sfc
Column Discrept All						Kerr, Sorooshim	2046	BM	10% :: 10%	1/sons	N/A :: Land	N/A :: Sfc
Mail						Cibler	3496	BM	0.05 :: 0.001	l wk (for 1 yr)	:: Canada/R	N/A :: Sfc
AM Vigoration Index, Normalized Discriment 2772 AMD 39.2.78 116/16/16/16/16/16 128 Instituted of the control of the con					_	Kerr, Sorooshism	2428	ΨV	3%::5%	1/(2 mo)	30 m :: Lend/R	:: Sfc
AM Vigination India, Normalized Diser 775 AM 78:2.75 115-16 stay [s] [s] [s] [s] [s] [s] [s] [s] [s] [s]						Brewer	2427	AM.	3%::1%	1/day, 1/seas	22 km :: Ocean/L	N/A :: Sfc
AM Type graph & Elevation Long (Name) 1377 (100) Name (100) 274 (200) A 55 (200) 11 (100)	MISR	¥	Vegetation Index, Normalized	Diner	2756				2%::2%	11(5-16 day) [d]	1.92 km :: Land	NIA :: Sfe
AM Vigitation India, Namediated District 2737 India 778, 278 111/16 dea/19/14 200, 000, 12, dea/16 AM Typespapic Elevation, Land, ffs. District 2243 BM 110 m. 100 m. 11mission 700 m. 1, dea/1 AM Typespapic Elevation, Land, ffs. District 2243 BM 110 m. 100 m. 110 m. 100 m. 700 m. 1, dea/1 AM Typespapic Elevation, Land, ffs. District 2241 BM 110 m. 100 m. 100 m. 1, dea/1 700 m. 1, dea/1 AM Archard Optical Digits District 2241 BM 500 m. 1, dea/1 100 m. 1, dea/1 100 m. 1, dea/1 AM Archard Optical Digits District 2247 BM 100 m. 1, dea/1 100 m. 1, dea/1 100 m. 1, dea/1 AM Archard Optical Digits District 2243 AM 100 m. 1, dea/1 100 m. 1, dea/1 100 m. 1, dea/1 AM Archard Optical Digits District 1260 AM 100 m. 1, dea/1 100 m. 1, dea/1 100 m. 1, dea/1 AM Archard Opt						Hansen	2742	VΜ	5%::	1/wk	500 km :: Land	:: Sfe
AM Topographic Entroison, Lond _ St. Character,	MISR	ΗV	Vegetation Index, Normalized	Diner	2757*				2%::2%	11(S-16 day) [d]	240 m :: LandiR	NIA :: Sfc
AM Topograph's Euroation, Lond, 15th Diversity Diversity 2255 BM 15th 15t						Isacks	2743	ВМ	1::1	1/mo	240-500 m :: Land/R	N/A :: Sfc
Main	MISR	ΑΑ	Topographic Elevation, Land_sfc	Diner	2846*				100 m :: 100 m	Imission	500 m :: Land	N/A :: Sfe
Motion M						Isacks	2838	BM	:: 120	1/mission	720 m :: Land/R	N/A :: Sfc
Note 212 BM Initial Initia						Kerr, Sorooshian	3826	BM	50m::50m	1/mission	500 m :: Land	N/A :: Sfc
Part						Moore	2827	BM	:: #I			:: Sfc
Political Separation Political Separation						Barroa	2823	BM		1/mission	10 km :: Land/R	30 m :: Sfc
Weiskish 2847 AM\$ S100 =: 20 Ilministon 1000 =: Land S000 =: Construction S100 =: Construction S					_	Dickinson	3410	BM			Low_res :: Land	
Caine 3456 AM 5 510 m; Ornico 200 m; Lond					_	Wielicki	2847	BM	200 m :: 200 m	1/mission	10 km :: Land	N/A :: Sfc
Montain Mont					_	Cihlar	3495	AM S-	5-10 m ::	ouce	30 m :: Canada/R	10 m :: Sfc
AM English Plane Plane Plane 1306						Mouginis-Mark	3276	WV	10 m(ver) ::	1/mission	30 m :: Land/L	N/A :: Sfc
Mongish American Mongish Ame	MISR	WY	Eruption-Plume Height	Diner	3286*				100 m :: 100 m	(variable) [d]	500 m :: Landil	NIA :: Plume top
AM Among Optical Dayeth Disert 16776 BM District 9,16 day, mo.; rest.; yr 155 km ;; G AM Among Optical Dayeth 1000 BM mm-0.002; ; 1/44 1/144 500 mm: G AM Among Optical Size distribution Disert 1070 BM 20%; 20% 1/145, 16 day) 155 km; CG AM Albickle, Planetary Spectral, TOA Diser 1070 BM 20%; 20% 1/145, 16 day) 155 km; CG AM Albickle, Planetary Spectral, TOA Diser 1070 BM 20%; 20% 1/144 200 km; CG AM Albickle, Planetary Spectral, TOA Diser 1070 BM 20%; 20% 1/144 20 km; CG AM Albickle, Planetary Spectral, TOA Discrete 102 AM ::100 1/145, 16 day, mo; sea; yr 152 km; CG AM Albickle, Planetary Spectral, TOA Discrete 102 AM ::100* 112 km; CG 102 km; CG 102 km; CG 102 km; CG 102 km; CG 102 km; CG 102 km; CG 102 km; CG <						Mouginis-Mark	3285	ВМ	200m(ver) ::	1/day	1 km::Land/R	N/A :: Plume_col
History Hist	MISR	WV	Aerosol Optical Depth	Diner	3676				#01/50'0 :: 0.05/10%	9,16 day; mo; seas; yr	15.4 km ? :: G	Column :: Atmos
Harmano 1000 AM Nacroto Size durbanion 1000 BM 120-06 1/45 i.e. 1/34 bar 1/34 b						Hanson	1001	BM	tenu=0.02 ::	1/wk	500 km :: G	:: Trop
AM Autoriol Six dúrribuion Diser 3678 BM 175610% 9,16 doy; mo; sea; yr 1554 bm ?: G AM Abrido, Planetary Spectral, TOA BM 20% :: 20% 1 (5-16 day); mo; sea; yr 154 bm ?: G AM Abrido, Planetary Spectral, TOA Jone 1024 AAM 20% :: 20% 1 (5-16 day); mo; sea; yr 154 bm ?: G AM Abrido, Planetary Spectral, TOA Jone 350 AAM 1004 1 (5-16 day); mo; sea; yr 152 bm ?: G AM Abrido, Planetary Spectral, TOA Jone AAM 1004 1 (5-16 day); mo; sea; yr 152 bm ?: G AM Abrido, Planetary Spectral, TOA Dise AA 1004 1 (20 day); mo; sea; yr 152 bm ?: G AM Abrido, Planetary Spectral, TOA Dise BM 20% :: 15% 1 (10 day); mo; sea; yr 152 bm ?: G AM Abrido, Planetary Spectral, TOA Dise BM 20% :: 15% 1 (10 day); mo; sea; yr 1 (10 day); mo						Hartmann	1002	AM	tatu=0.02 ::	1/day	20 km :: G	3 km :: 0-15 km
Heart 1024 AM 20%; 20% 1/6;16 day) 15,4 km; 0 100	MISR	W	Aerosol Size-distribution	Diner	3678				15% :: 10%	9,16 day; mo; seas; yr	15.4 km ? :: G	Column :: Atmos
Hermann 1020 BM 20% 1/day 20 bm						Bates	1019	BM	:: 20%	1/(S-16 day)	15.4 km :: O	Column :: Atmos
Schocker 1021 AM 1.50% 1/pk 2.15km;						Hartmann	1020	BM	20% :: 20%	1/day	20 ten :: G	N/A :: 0-15 km
Moleculary Spectral, TOA Direct 1021 AM 10% :15% 1/day 200 hm::0						Isacks	1024	WV	:: 20%	1/wk	2-15 lzm ::	Column :: Atmos
AM Albedo, Planetary Sperrhel, TOA Discrision 3365 AAM <=<0.03 :: 0.011 9,16 day; mo; stear; yr 1,92 ha 7;: G MO Bro(Br-Vel.O) Conc Waters 1030 BAM 20%:: 15% 1/mk 0.12.3 dg; st. 20A-325 0.12.3 dg; st. 20A-325 MO CH3CI Conc Waters 1070 Gross 1067 BM 20%:: 15% 1/mk 0.12.3 dg; st. 20A-355 MO CH3CI Conc Waters 1070 Gross 1067 BM 20%:: 15% 1/mk 0.1x.2 5 dg; st. 20A-355 MO CH3CI Conc Waters 1070 Gross 1067 BM 15%:: 3% 1/mk 0.1x.2 5 dg; st. 20A-355 MO CH3CI Conc Waters 1070 Gross 1067 BM 15%:: 3% 1/mk 90.x 4 dg; G MO CH3CI Conc Waters 1107 Gross 1067 BM 15%:: 3% 1/mk 90.x 4 dg; G AG CH3CI Conc Waters 1107 Gross 1109 BM 1109						Schoeberl	1021	νW	10% :: 5%	1/day	200 km :: G	1 km :: Strat
Moleculary Decisionson 3365 AM 1100 110	MISR	W	Albedo, Planetary Spectral, TOA	Diner	3679				10.0 :: £0.0=>	9,16 day; mo; seas; yr	1.92 bm ? :: G	N/A :: TOA
MO BrO(Br*81-O) Cone Waters 1030 Groves 1025 BM 25%::15% 1/mk 30.4 dg::0 MO CH3CI Cone Waters 1070 BM 25%::10% 2/day 13x 4 km::0 MO CH3CI Cone Waters 1070 BM 25%::10% 2/day 13x 4 km::0 MO CH3CI Cone Waters 1070 BM 15%::5% 1/mk 8x 10 dg::0 MO CIO Cone Waters 1107 BM 15%::5% 2/day 15x 4 km::0 MO CIO Cone Waters 1107 BM 15%::5% 2/day 15x 4 km::0 MO CIO Cone Waters 1107 BM 15%::5% 2/day 15x 4 km::0 MO CIO Cone Waters 1107 BM 15%::5% 2/day 15x 4 km::0 MO CIO Cone Waters 1107 BM 15%::35% 2/day 15x 4 km::0 MO CIO Cone Waters 1107 <						Dickinson	3365	ΨĄ			<05-1 deg :: G	
Class 1026 BM 20% 13% 1/nk 30 x 4 dg :: G	STM	ОМ	BrO(BrY81-0) Conc	Waters	1030				:: 1×10-12	Ilmo. [z. mean]	0.J x 2.5 dg :: 82N-82S	2.5 km :: 15-50 km
MO CH3CI Conc Waters 1070 BM 25%::10% 2/day 15.8 4 km::0						Gross	1026	BM	20% :: 15%	1/wk	30 x 4 dg :: G	3 km :: Strat
MO CH3CI Conc Waters 1070 Schoober! 1028 BM 20%::1 1/wk 8 x 10 dg::0						Ą	1027	BM	%01 :: %5Z	2/day	15 x 4 km :: G	3 km :: Strak
MO CH3CI Conc Waters 1070 Grose 1065 BM 15%::5% 1/mk 0.1 x 25 dg::82N-825 MO CIO Conc Waters 1107 BM 15%::5% 1/mk 8 x 10 dg::0 MO CIO Conc Waters 1107 BM 15%::5% 1/day 0.1 x 25 dg::82N-825 MO CO Conc Waters 1107 BM 15%::5% 2/day 0.1 x 25 dg::82N-825 MO CO Conc Waters 1124 BM 15%::5% 2/day 0.1 x 25 dg::82N-825 MO CO Conc Waters 1104 BM 15%::5% 2/day 0.1 x 25 dg::82N-825 MO CO Conc Waters 1124 BM 15%::5% 2/day 0.1 x 25 dg::82N-825 MO CO Conc Waters 1124 BM 15%::5% 2/day 0.1 x 25 dg::82N-825 Angles 116 BM 15%::5% 2/day 0.1 x 25 dg::82N-825 Angles 1104 BM 15%::5%						Schoeberl	1028	BM	20% :: 1	1/wk	8 x 10 dg :: O	2 km :: Strat
Chapter 1065 BM 15%::5% 1/wk 30 x 4 dg ::O	STM	ОМ	CH3CI Conc	Waters	1070				:: 1210-111	21day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 40 km
Schooler 1067 BM 15%;:20 1/mk 8 x 10 dg;:20 1/mk 15 x 4 km;:20 1/mk 15 x 4 km;:20 1/mk;:20 1/mk;						Grose	1065	BM	15%:: 5%	1/wk	30 x 4 dg :: O	3 km :: Street
Pyle 106 BM 15%;5% 2/day 15x4 km;0						Schoeberl	1067	BM	15% :: 20	1/wk	8 x 10 dg :: O	3 km :: Street
MO CIO Conc. Waters 1107 Grose 1103 BM 20%::10% 2/day 0.1 x 2.3 dg::62N-82S Schoebert 1104 BM 10%::002 1/day 8 x 10 dg::0 Pyle 1104 BM 15%::5% 2/day 15 x 4 km::0 MO CO Conc Waters 1124 BM 15%::5% 2/day 0.1 x 2.5 dg::82N-82S AO CO Conc Waters 1124 BM 15%::5% 2/day 0.1 x 2.5 dg::82N-82S Schoebert 1124 BM 15%::5% 2/day 0.1 x 2.5 dg::82N-82S Schoebert 1121 BM 15%::5% 2/day 8 x 10 dg::0						Pyle	1066	ВМ	%S :: %SI	2/day	15 x 4 km :: G	3 km :: Stret
Chose 1103 RM 20% :: 10% 2/day 30.x 4 dg :: 0 Schoeber! 1105 RM 10% :: 0.02 1/day 8 x 10 dg :: 0 Pyle 1104 RM 15% :: 5% 2/day 15 x 4 km :: 0 Waters 1124 Chose 1116 RM 15% :: 5% 2/day 0.1 x 2.5 dg :: 82N 42.5 Chose 1116 RM 15% :: 5% 2/day 30.x 4 dg :: 0 Schoeber! 1121 RM 15% :: 5% 1/day 8 x 10 dg :: 0	MLS	ОМ	CIO Conc	Waters	1107				01-01xE-E'0:: %5=>	21day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 bn :: TPSE, 70 km
Schoeber 1105 BM 10%:0.02 1/day 8x10 dg::.0 Rx 10 dg::0 Rx 10 dg::.0 Rx 10 dg::.0 Rx 10 dg::0 Rx 10 dg::0 Rx 10 dg::0						Grose	1103	BM	20% :: 10%	2/dary	30 x 4 dg :: O	3 km :: Mid-atmos
Pyle 1104 BM 15%::5% 2day 15x4 km::0 MO CO Conc Waters 1124 Cons 1116 BM 15%::5% 2/day 10x125 dg::82N-825 Schoebert 1121 BM 15%::5% 2/day 8x 10 dg::0						Schoeberl	1106	MB	10% :: 0.02	1/day	8 x 10 dg :: G	3 km :: Strat
MO CO Conc Waters 1124 Cobe 1116 BM 15%::5% 2/day 0.1 x 2.5 dg :: 82N-82S Schoebert 1111 BM 15%::5% 2/day 30 x 4 dg :: 0						Pyle	1104	ВМ	15%:: 5%	2/day	15 x 4 lcm :: G	3 km :: Strat
Orose 1116 BM 15%::5% 2/day 30x4dg::G Schoeberl 1121 BM 15%::5 1/day 8x10dg::G	MLS	MO	CO Conc	Waters	1124				<=5%::3x10-8	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 60 km
1121 BM 15%::5 1/day 8x10dg:: G						Grose	9111	ВМ	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
						Schoeberl	1111	BM	15%:: 5	1/day	8 x 10 dg :: G	3 km :: Mid-stmos

Appendix M: 1DS Input Requirements and Match Products by Instrument

Instrument Platforms Product Name MLS MO CO Conc MLS MO H202 Conc MLS MO H202 Conc MLS MO HC(H_CP35) Con	CO Conc Waters CO Conc Waters CO Conc Waters H202 Conc Waters H204 Cr95) Conc Waters HC(H_Cr95) Conc Waters	TM Prod #		tigator Prod # Match 7 yle 1119 BM	Investigator Prod # Match Type Pyle 1119 BM		Resolution 2/day	Resol :: Cover. 15 x 4 km :: G	Resol :: Cover.
MLS MO MLS MO MLS MO	CO COME H202 COME HC(H_CM35) COME HC(H_CM37) COME			<u> </u>	BM		2/dav	15 x 4 km :: G	2 km :: Strat
	CO CONC H202 CONC HC(H_CP35) CONC			8				2	
	CO Conc H202 Conc HC(H_CPSS) Conc HC(H_CPST) Conc				-	254: 104	16400	2 :: H	
	CO Conc H202 Conc HC(H_CP35) Conc HC(H_CP37) Conc			1117	₹	0.10% ::	1 Aut	: #405	. Tree
	H202 Com HC(H_CMS) Com HC(H_CMS7) Com					<=5% :: 1x10.5	2/der (d.n)	0.1 x 2.5 de :: 82N-825	2 S tom :: 60.100 tom
	H202 Conc HC(H_CM35) Conc HC(H_CM37) Conc	7	Grose	1116	BM	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-stanos
	H202 Conc HC(H_CM35) Conc HC((H_CM37) Conc	1	Schoeberl	1121	BM	15% :: 5	1/day	8 x 10 dg :: G	3 km :: Mid-atmos
	HZOZ Conc HC(H_CMS) Conc HC(H_CMS7) Conc	7	Pyle	1119	WV	15% :: 5%	2/day	15 x 4 lcm :: G	2 km :: Strat
	HC(H_CP95) Cone HC(H_CP97) Cone					01-0Pr1 ::	I Iday (z. mean)	0.1 x 2.5 dg :: 82N-825	2.5 km :: 30-40 km
	HC(H_CP35) Conc HC(H_CP37) Conc		Schoeberl	 89:1	ВМ	20% :: .11.05s	1/wk	8 x 10 dg :: G	2 km :: Strat
	HCl(H_CP35) Conc HCl(H_CP37) Conc		Grose		WV	25% :: 10%	2/day	30 x 10 dg :: G	3 Ion :: Strat
	HC(H_CM3) Cone HC(H_CM37) Cone		Pyle	1167	WΥ	20% :: 10%	2/day	15 x 4 km :: G	3 ton :: Stret
	НС(Н_СРЭ7) Сомс	Waters 1188				01-01×01-10:: %5=>	21day (d.n.)	0.1 x 2.5 dg :: 82N-825	2.5 km :: TPSE, 90 km
	НС(Н_СРЭ7) Сомс		Orose	1182	BM	15% :: 10%	Vab/1	30x4dg:: G	3 km :: Mid-atmos
	НС(Н_СРЭ7) Сомс		Schoeberl	181	ВМ	1.0 :: 3.51	1/day	4×5 dg :: G	2 km :: Strat
	нС(И_СРЭ7) Сомс		Pylo	1183	BM	15%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
	HC(H_CP37) Come		Mouginis-Mark	rk 3283	VW		1/day	Đ::	N/A :: Plume col
		Waters 1189				01-01×01-1-0:: %5=>	21day [d.n.]	0.J x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 80 km
			Grose	1182	ВМ	15% :: 10%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
			Schoeberl	181	ВМ	1.0 :: 3.81	1/day	4x5dg::G	2 km :: Strat
			Pys	\dashv	ВМ	15%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
			Mouginis-Mark	rk 3283	VW		1/day	Đ:	N/A :: Plume_cot
OW STW	HCN Conc	Waters 1191				11-0/x>:: %5=>	21day [d.n]	0.1 x 2.5 dg :: 82N-825	2.5 km :: 20-65 km
			Schoeberl	138	ВМ	20% :: 0.01	1/wk	8 x 10 dg :: G	3 km :: Strat
MLS MO	HNO3 Conc	Waters 1203				01-01x5:: % 5=>	21day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 46 km
			Grose	1198	МΑ	20%:: 5%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos
			Schoeber	1200	ΨV	15% :: 0.1	1/day	2x3dg:: Q	2 km :: Strat
			Рую	138	WΥ	15%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
MLS MO	HO2 Conc	Waters 1216				:: 3-20x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-825	2.5 km :: 30-80 km
			Schoeberl		ВМ	15% :: 0.02	1/day [d]	D:: 8 dg :: G	2 km :: Strat
			Pyle	1213	ВМ	25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
			Grose	1212	νм	25% :: 10%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos
OW STW	HOCI Conc	Waters 1222				11-0128::	l/day	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 25-45 km
			Schoeberl	1220	BM	20%:: 0.02	1/wk	8 x 10 dg :: G	3 km :: Sunt
			Pyk	1219	BM	25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
			Grose	1218	ΨĮ	20% :: 10%	2/day	30 x 4 dg :: G	3 lcm :: Strat
MLS MO	N2O Come	Waters 1240				<=5%:: 1-10x10-8	21day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: TPSE, 65 km
			Ą.	1231	BM	15%:: 5%	2/day	15 x 4 km :: G	3 km :: Sunt
			Grose	1229	¥	15%:: 5%	1/day	30 x 4 dg :: G	3 km :: Mid-stmos
			Schoeberi	1232	ΨV	15% :: 10	1/day	2x3dg::G	2 km :: Stret
MLS MO	NO COME	Waters 1266				:: J-10x10-2	2/day [d,n]	0.J x 2.5 dg :: 82N-825	2.5 km (1.2) :: 30-120 km
			Grase	1262	ВМ	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
			Pyb	1263	BM	15%:: 5%	2/day	15 x 4 lcm :: G	3 km :: Stret
			Schoeberl	1564	BM	15% :: 2s,1.0m	1/day [d]	4 x 5 dg :: O	2 km :: Mid-atmos
MLS	NO2 Conc	Waters 1274				3: I-8x10-8	2/day [d.n]	01 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: 30-60 km
			Orose	1269	¥	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
			Schoeber	1221	NA.	10% ::	1/day	4 x 5 dg :: 0	2 km :: Mid-atmos
			λý.e	1270	WW -	15%:: 5%	2/dny	15 x 4 km :: G	3 km :: Strat

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Outrait Data	Product	-	IDS Input Regirements	t Regire	ments	Accuracy	Temporal	Horizontal	Vertical
Instrument	Platforms	Instrument Platforms Product Name TM	TM	*	Investigator Prod # Match Type	Prod # N	fatch Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
MLS	MO	O3 Conc	Waters 1.	1319				<= 3% :: 1%(<50km)	21day [d.n]	01 x 2 5 dg :: 82N-825	2.5 km [1.2] :: TPSE, 110 km
				L	Schoobert	1313	ВМ	10% :: 5%	1/day	2x3dg:: G	1.5 km :: Mid-etmos
				نــا	Pyle	1311	BM	5%:: 2%	2/day	15 x 4 km :: G	3 km :: Strak
					Batter	1306	ΑM	5-10%:: 1-5%	2/day	4 x 4 dg :: G	1-1.5 km :: 10-80 km
					Murkeni	1310	AM.	:: %01			N/A:: TOA
					Harraco	1307	VW	3%:	1/wk	500 km :: 0	:: Atmos
				7	Grose	1306	₹	2%,5%:: 2%	2/day	30 x 4 dg :: G	3 km :: Mid-stmos
MLS	ОМ	0303(NU1,3) Com	Waters	1326				.:: 50%	21day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: 20-60 km
					Schoeberl	1313	νw	10% :: 5%	1/day	2x3dg:: G	1.5 km :: Mid-atmos
MLS	МО	O3 Conc	Waters	1328				:: 10%	21day [d.n]	0.1 x 2.5 dg :: 82N-82S	25 tm (12] :: TPSE, 70 tm
					Schoebert	1313	Ą	10% :: 5%	1/day	2x3dg:: G	1.5 km :: Mid-etmos
					Harsen	1307	νγ	3%:	1/wk	500 len :: G	:: Atmos
MLS	ОМ	03(Y8000) Conc	Waters	1343				:: 20%	21day [d.n]	0.1 x 2.5 dg :: 82N-825	25 km (1.2) :: 20-60 km
				L_	Schoeberl	1342	ВМ	10% :: 10%	1/wk	8 x 10 dg :: G	S lem :: Strat
MLS	МО	OCIO Conc	Waters	1352		-		11-0PXE ::	Ilmo. (t. mean)	0.1 x 2.5 dg :: 82N-825	2.5 km (1.2) :: TPSE, 25 km
				1	Schoeberl	1351	W	20% :: 0.01	1/wk [n]	8 x 10 dg :: G	3 km :: Strat
				L	Grose	1349	ΨV	20%:: 10%	2/day	30 x 4 dg :: G	3 km :: Strat
				<u> </u>	Py a	1350	νγ	25%:: 10%	2/day	15 x 4 km :: G	3 km :: Strat
MLS	ОМ	SO2 Conc	Waters	1369				:: 5×10-10	21day (d.n)	0.1 x 2.5 dg :: 82N-825	25 km (12) :: TPSE, 30 km
					Schoebert	1366	ВМ	20%::	1/wk	8 x 10 dg :: G	3 km :: Strat
				لب	Mouginis-Mark	3288	Vγ		[new-real time ?]	1 km :: G	N/A :: Plume_col
				Н	Mouginis-Mark	3289	νγ		1/day	1km:: Q	N/A :: Plume_col
MLS	МО	Pressure	Waters	1525				:: 1 %(30-50km)	21day [d.n]	0.J x 2.5 dg :: 82N-825	25 km (1.2) :: TPSE, 70 km
					Grose	1516	νW	0.05 :: 2%	2/day	15 x 4 dg :: G	3 km :: Mid-atmos
MLS	МО	Temperature Profile	Waters	6091				:: 2K <100km)	21day [d.n]	0.1 x 2.5 dg :: 82N-825	2.5 km [1.2] :: TPSE, 120 km
					Batcs	1569	AM S	:: 1-2 K		1.8 x .16 dg :: G	3 km :: 20-60 km
					Bates	1570	AM	1K;2K>50km :: 3;1K>50km	2/day	4x4dg::0	1-1.5 km :: 10-80 km
					Hansen	1573	AM	03C::	1/wk	500 km :: G	:: Strak
					Schoeberl	1582	VΨ	2K::1K	1/day	2 x 2 dg :: G	2 km :: Atmos
				·	Grose	1572	νw	2 K :: 0.5 K	2/day	15x4dg:: G	2 km :: Mid-stmos
					Pyle	1881	νw	2K::05K	2/day	15 x 4 km :: G	2 km :: Strat
MLS	МО	Wind Speed	Waters	1734				:: 10m/s	21day [d.n]	0.1 x 2.5 dg :: 82N-825	25 km [1.2] :: 60-110 km
				الــا	Pyle	1714	ВМ	5 m/s :: 5 m/s	2/day	15 x 4 km :: 0	2 km :: Strat
					Grose	1662	\$WV	5m/s,10dg :: 5m/s,5dg	2/day	15 x 4 dg :: O	2 km :: Mid-atmos
MLS	МО	H2O Conc	Waters	888/				:: 2% <50km	21day [d,n]	0.1 x 2.5 dg :: 82N-825	2.5 km (1.2) :: TPSE, 100 km
					Schoeberl	1821	BM	10% :: 5%,0.05s	1/day	2 x 3 dg :: C	LO ETT C-Sure
					Hamsen	28.	3	3%::	1/wk	SOURS C	Column :: Strat
				_,	Schoeberl	1822	Ą	10%:: 0.05	1/day	Ax 5 dg :: G	2.5 km :: Meso
					Hansen	1812	ΜV	3%::	1/wk	\$00 km :: 0	:: Atmos
					Orose	1811	νм	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Trop/meso
					Bates	1808	AM	5-10%:: 1-5%	2/day	4x4dg:: 0	1-1.5 km :: 10-80 km
					Pyle	1819	AM	10%:: 5%	2/day	15 x 4 km :: G	3 km :: Stret
MLS	MO	Cloud Lig water Content	Waters	1898				.: 5%	I/day (z. mean)	0.J x 2.5 dg :: 82N-825	2.5 km (1.2) :: Upper Trop
		į			Dickinson	3357	AM			<0.5-1 deg :: G	
					Bates	1894	νW	:: 75%	1,(6 hr.)	1x1dg:: G	lyr :: 0-30 lcm
MODIS	MAMA	Chlorophyll a Conc (via Fluorescence)	Abborr	2566*				\$0-100% :: 35%	11day, 11mt	I km :: Ocean/R,L	NIA :: T00
		1			Harris	3454	ВМ	40% :: 20%	2-10 days	0.25-1 lzn:: Ocean/R	
					Harris	3455	WΥ	20-30% :: 10-15%	1/day	1-20 lgm :: Ocean/R	

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Output Data Product	Product		UN IND	UL ACQU		Accuracy	emoora	Horizonta	Vertical
strument	Platforms	Instrument Platforms Product Name	TM	Prod#	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
MODIS	MA, P.M	Chlorophyll a Conc (via Fluorescence)	Abbon	2566*	Srokosz	2563	VΜ	10% :: 0.1mg	1/day	1 km :: Ocean [South Atlan]	N/A :: Sfc
MODIS	WW'DW	Chlorophyll a Conc (via Fluorescence)	Abbott	2567				50-100% :: 35%	11day, 11mt	4 km :: OceanGR	N/A :: TOO
					Harris	3455	MΑ	20-30% :: 10-15%	1/day	1-20 km :: Ocean/R	
MODIS	MAMA	Chlorophyll Fluorescence Line Height	Abbott	2575				100∵: №0	1/day, 1/wk	4 km :: OceanGR	N/A :: TOO
					Harris	3462	BM	25% :: 5%	1/day	1-20 km :: Ocean/R	
Modis	AM,PM	Chlorophyll Fluorescence Line Height	Abbott	2576				100: :: 100:	11 day, 11 wk	I bm :: Ocean/R,L	N/A::TOO
					Harris	3462	BM	25%:: 5%	1/day	1-20 km :: Ocean/R	
MODIS	MAMA	Ocean Productivity, Primary, Nea_sfc [via I Abbott	a I Abbott	2002				:: 50-100%	1/day, 1/wk	I km :: Ocean-IIR,L	NIA :: TOO
					Abbott	2597	BM		1/(1-2 day)	1-4 km :: Ocean [Southern]	N/A :: TOO
					Harris	3460	ВМ	30% :: 5%	1/day	1-20 km :: Ocean/R	
MODIS	MAMA	Ocean Productivity, Primary, Near sfc (via I Abbost	a l Abbon	2603*				:: 50-100%	1/day, 1/wk	4 km :: Ocean-IIG.R	N/A :: TOO
					Harris	3460	ВМ	30% :: 5%	1/day	1-20 km :: Ocean/R	
					Hansen	2512	Ą	02C::	1/wk	500 km :: Ocean	:: Sfc
MODIS	MAMA	Land sfe Emissivity	Barton	2110				10:0 :: 10:0	11day, 11mt	I lon :: G.R	N/A :: Sfc
					Cibler	3487	₩	0.025 :: 0.025	10 day	1.25 deg :: Canada/R	N/A :: Sfc
ѕіаом	MAMA	Land_sfc Emissivity	Barton	21110	1			10:0:: 10:0	1/day, 1/wk	50 lbm :: G.R	N/A .: Sfc
					Dickinson	3373	BM			<0.5-1 deg :: Land	
					Cibler	3487	BM	0.025 :: 0.025	10 day	1.25 deg :: Canada/R	N/A :: Sfc
					Wielicki	2120	BM	0.025 :: 0.025	2/day [d,n]	1.25 dg :: Land	N/A :: Sfc
MODIS	MAWA	Sea_sfc Temperature (SST)	Вгомя	1527				03-05K::0.1-03K	Ilday, Ilwk, Ilmo	I km :: Ocean'L	N/A :: Sfc
					Abbott	2504	BM	0.5 K :: 0.05 K	(1-2)/day	1-4 km :: Ocean [Southern]	N/A :: Sfc
					Harris	3451	ВМ	0.5-1 K :: 0.2-0.3 K	1/day	0.25-1 km :: Ocean/R	
					Srokosz	2230	ВМ	0.3 K(JR) :: 0.1 K	2/day	100-1 km :: Ocean (South Atlan	N/A :: Sfc
					Kerr, Sorooshian	1631	ΨV	1 K :: 1 K	2/day [d,n]	500 m :: Land/R	N/A :: Sfc
					Hansen	2312	Ą	02C::	1/wk	500 km :: Ocean	:: Sfc
					Hartmann	2313	₩.	0.5 K :: 0.5 K	1/day	10 km :: Ocean	N/A :: Sfc
					Liu	2317	Ą	05::0.5	1/wk	10 km :: G	N/A :: Sfc
					7 <u>-</u>	2215	WV	02K::02K	1/wk	200 km :: Ocean	N/A :: Sfc
МОБІЅ	AM.P.M	Sea_sfc Temperature (SST)	Brown	2528				03-0-6K :: 0.1-0.3K	Ilday, Ilwk, Ilmo	20 km :: OceanGR	N/A :: Sfc
					Batca	2508	BM	0.3-0.6 K :: 0.1-0.3 K	1/day, 1/wk, 1/mo	20 km :: Ocean/G,R	N/A :: Sfc
					Brower	1152	æ	0.5 K :: 0.5 K	1/day, 1/seas	20 km :: Ocean	N/A :: Sfc
					Harris	3452	BM	0.5-1 K :: 0.2-0.3 K	1/day	20 km :: Ocean/R	
					Murakami	2518	BM	0.2 K ::		ĐΞ	N/A :: Sfe
				.	Rothrock	2519	BM	1K::1K	1/(2 day)	30 km :: G	N/A :: Sfc
					Hansen	25122	BM	0.2 C::	1/wk	500 km :: Ocean	:: Ste
					Abbott	202	MA	1 K :: 0.1 K	(1-2)/day	50 km :: Ocean [Southern]	N/A :: Sfc
					Barron	2002	ΜV	0.5 K ::	1/day	100 km :: Ocean	N/A :: Sfc
					3	2314	WV	0.5 K ::	1/wk	100 km :: Ocean	N/A :: Sfc
					٤	2516	₩V	0.5 K ::	1/day	50 km :: R	N/A :: Sfc
					Z.	25152	¥	0.2 K :: 0.2 K	1/wk	200 km :: Ocean	N/A :: Sfc
					Wielicki	2521	Ą	1 K :: 0.5 K	1/wk	1.25 dg :: Ocean	N/A :: Sfc
					Bates	2209	¥	0.5 K :: 0.4 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc
					Ватгов	2507	VW	0.5 K ::	1/day	10 km :: Ocean/R	N/A :: Sfc
					Hartmann	2513	ΑM	0.5 K :: 0.5 K	1/day	10 km :: Ocean	N/A :: Sfc
MODIS	AMPM	Sea_sfc Temperature (SST)	Brown	2529				03-0.6K :: 0.1-0.3K	Ilday, Ilwk, Ilmo	4 km :: Ocean/R.L.	NIA :: Sfc
					Abbott	2504	ВМ	0.5 K :: 0.05 K	(1-2)/day	1-4 km :: Ocean [Southern]	N/A :: Sfc
					Валтов	2507	BM	0.5 K ::	1/day	10 km :: Ocean/R	N/A :: Sfc
					Hartmann	2513	Ž	05K :: 05K	1 May		

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Output Data Product	* Product	_	US Input Regirements			Accuracy		TOUZHOU	
Instrument	Platforms	Instrument Platforms Product Name	TM	Prod #	Inves	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
SIGOM	MAMA	Sea_sfc Temperature (SST)	Вгомп	2529	Liu	2517	BM	0.5 :: 0.5	1/wk	10 km :: G	N/A :: Sfc
_					Brower	2511	WV	0.5 K :: 0.5 K	1/day, 1/seas	20 km :: Ocean	N/A :: Sfc
					Hansen	2512	VW	02C::	1/wk	500 km :: Ocean	:: Sfc
					Srokosz	2520	VW	0.3 K(TR) :: 0.1 K	2/day	100-1 Irm :: Ocean (South Atlan	N/A:: Sfc
SIGOM	MAMA	Sea sfc Temperature (SST)	Brown, Barton	2530			-	03-0.6K :: 0.1-0.3K	Ilday, Ilwk, Ilmo	4 km :: Ocean/R,L	NIA :: Sfc
		i			Abbott	2504	BM	0.5 K :: 0.05 K	(1-2)/day	1-4 km :: Ocem [Southern]	N/A:: Sfc
					Barron	2507	BM	0.5 K ::	1/day	10 km :: Ocean/R	N/A :: Sfc
					2.	2517	BM	0.5::0.5	1/wk	10 km :: G	N/A :: Sfc
					Hartmann	2513	ВМ	05 K :: 0.5 K	1/day	10 km :: Ocean	N/A:: Sfc
					Dickinson	3392	WV			<0.5-1 deg :: Ocean	
					Hansen	2312	WV	02C::	1/wk	500 km :: Ocean	:: Sfc
					Srokosz	2520	ΨV	0.3 K(IR) :: 0.1 K	2/day	100-1 km :: Ocean [South Atlan	N/A :: Sfc
SIGOM	MAMA	Sea sfc Temperature (SST)	Brown, Barton	1531				A£0-1.0 :: N3.0-£0	OW/	20 km :: OceanGR	N/A :: S/E
					Bates	2508	BM	0.3-0.6 K :: 0.1-0.3 K	1/day, 1/wk, 1/mo	20 km :: Ocean/G.R	N/A :: Sfc
					Brewer	1152	BM	05 K :: 05 K	1/day, 1/scas	20 km :: Ocean	N/A:: Sfc
					Harris	3452	BM	05-1 K:: 02-03 K	1/day	20 km :: Ocean/R	
					Murakami	2518	BM	0.2 K::		5;	N/A:: Sfc
					Rothrock	2519	BM	1K:1K	1/(2 day)	30 km :: G	N/A :: Sfc
					Hansen	2512	BM	02C::	1/wk	500 lcm :: Ocean	:: Sfc
					Abbott	2505	¥	1K::0.1K	(1-2)/day	50 km :: Ocean [Southern]	N/A :: Sfc
					Barron	2506	Ψ¥	0.5 K ::	1/day	100 km :: Ocean	N/A :: Sfc
					Dickinson	3392	ΜV			<0.5-1 deg :: Ocean	
					Lau	2514	WV	0.5 K ::	1/wk	100 km :: Ocean	N/A :: Sfc
					Leu	2516	ΨV	0.5 K ::	1/day	50 km :: R	N/A :: Sfc
					3	2515	ΜΛ	0.2 K :: 0.2 K	1/wk	200 km :: Ocean	N/A :: Sfc
					Wielicki	1221	WΥ	1 K :: 0.5 K	1/wk	1.25 dg :: Ocean	N/A :: Sfc
					Batcs	8052	ΜY	0.5 K :: 0.4 K	2/day [d,n]	50 km :: Ocean	N/A :: Sfc
					Barron	2507	ΨV	0.5 K ::	1 Aday	10 km :: Ocean/R	N/A :: Sfc
NODIS	MAWA	Sea sfc Temperature (SST)	Brown, Barton	2532				03-0-4K :: 0.1-0.6K	Ilday, Ilwk, Ilmo	50 km :: Ocean	NIA :: Sfe
					Abbort	2505	ВМ	1 K :: 0.1 K	(1-2)/day	50 km :: Ocean [Southern]	N/A :: Sfc
					Dickinson	3392	BM			<0.5-1 deg :: Ocean	
					Lau	2516	BM	0.5 K ::	1/day	50 km :: R	N/A:: Sfc
					Murakani	2518	BM	0.2 K ::		D::	N/A :: Sfc
					Вастоп	2506	BM	0.5 K ::	1/day	100 km :: Ocean	N/A :: Sfc
					Wielicki	12521	BM	1 K :: 0.5 K	1/wk	1.25 dg :: Ocean	N/A :: Sfc
					Hansen	2512	ВМ	0.2 C ::	1/wk	500 km :: Ocean	:: Sfc
					Leu	2514	BM	0.5 K ::	1/wk	100 km :: Ocean	N/A :: Sfc
					Lau	2515	ВМ	0.2 K :: 0.2 K	1/wk	200 lzm :: Ocean	N/A :: Sfc
					Rothrock	2519	WV	1K::1K	1/(2 day)	30 km :: G	N/A :: Sfc
					Bates	2509	WV	0.5 K :: 0.4 K	2/day [d,n]	50 lcm :: Ocean	N/A :: Sfc
SIGOM	MAMA	Chlorophyll a Conc	Carder	2569				\$01 :: 30S	Ilday, Ilwk, Ilmo	I km :: Ocean-III L	N/A :: TOO
		1			Srokosz	E9 57	MΛ	10% :: 0.1mg	1/day	1 km :: Ocean [South Atlan]	N/A :: Sfc
MODIS	MAMA	Chlorophyll a Cone	Corder	2570				\$01 :: ₹0S	Ilday, Ilwk, Ilmo	I km :: Ocean-IIIG.R	N/A :: TOO
	•	1			Harris	34.54	ВМ	40% :: 20%	2-10 days	0.25-1 km:: Ocean/R	
					Harris	3455	ВМ	20-30% :: 10-15%	1/day	1-20 km :: Ocean/R	
					Harris	24.8	BM	20-30% :: 10-15%	2-10 days	0.25-1 km :: Ocean/R	
					Srokosz	2563	AM.	10% :: 0.1mg	1/day	1 km :: Ocean [South Atlan]	N/A:: Sfc

Appendix M: IDS Input Requirements and Match Products by Instrument

					US Input Regirements	Ž		Accilean	Termores	L'orizont 1	1///
Instrument	Platforms	Instrument Platforms Product Name	TM	Prod #	Inves	Tod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover
моріг	NH.P.M	Organic Matter Conc, Dissolved	Corder	2580				150% :: 30%	11day, 11wk, 11mo	20 km :: Ocean	N/A :: T00
				_	Brower	2561	BM	100% :: 10%	1/day, 1/seas	20 km :: Ocean	N/A:: Too
				_		3457	BM	100% :: 30%	1/day	1-20 km :: Ocean/R	
					Brewer	2311	VW	0.5 K :: 0.5 K	1/day, 1/seas	20 km :: Ocean	N/A:: Sfc
MODIS	MAWA	Organic Matter Conc. Dissolved	Carder	2581				150% :: 30%	Ilday, Ilwk, Ilmo	I km :: OceaniR.L	NIA :: TOO
					Abbott	2579	BM	50% :: 20%	1/(1-2 day)	1-4 km :: Ocean [Southern]	N/A:: TOO
					Harris	3457	BM	100% :: 30%	1/day	1-20 km :: Ocean/R	
МОБІЅ	W P W	Ocean Water Attenuation Coef, PAR	Clark	2031				35% :: 10%	11day, 11mk	I km :: Ocean-IIL	NIA :: TOO
					Abbott	3204	BM	20% :: 5%	1/(1-2 day)	1-4 km :: Ocean [Southern]	N/A:: T00
MODIS	WW.PM	Ocean Water Attenuation Coef, PAR	Clark	2032•				35% :: 10%	1/day, 1/wk	20 km :: Ocean-I	N/A :: TOO
					Brewer	3202	BM	25% :: TBD	1/day, 1/seas	20 lcn :: Ocean	N/A :: Sfc
MODIS	MAWA	Chlorophyll_a Conc	Clark	12571				30% :: 10%	Ilday, Ilwk, Ilmo	I km :: Ocean-I/ L	N/A :: 100
					Harris	3455	BM	20-30% :: 10-15%	1/day	1-20 km :: Ocean/R	
					Srokotz	2563	BM	10% :: 0.1mg	1/day	1 km :: Ocean [South Atlan]	N/A :: Sfc
MODIS	MWW	Chlorophyll_a Conc	Clark	2522				30% :: 10%	11day, 11wk, 11mo	20 km :: Ocean-IIG,R	NIA :: TOO
					Harris	3455	BM	20-30% :: 10-15%	1/day	1-20 km :: Occan/R	
MODIS	AM.PM	PAR	Esaias	2330*				TBD :: TBD	11day	N/A :: G	N/A :: Atmos
					Moore	2329	νw	20% :: 10%	1/day, 1/wk	500 m :: Land/R	
MODIS	AM.PM	Ocean Productivity, Primary	Esaias	5606				<35% :: <20%	11wk, 11mo, 11yr	20 km :: Ocean/G.R	N/A :: TOO
					\dashv	3460	BM	30% :: 5%	1/day	1-20 lzm :: Ocean/R	
					Brewer	2599	AMS.	50% :: 5%	1/day, 1/seas	20 km :: Ocean	N/A:: T00
MODIS	MAWA	PAR. SE (IPAR)	Gordon	2267				10%::5%	11day [d]	I km :: Ocean	N/A :: Sfc
					-	5769	BM	5%::1%	1/(1-2 day)	1-4 km :: Ocean (Southern)	N/A :: Sfc
					\dashv	27.20	BM.	20% :: 5%	1/day, 1/seas	20 km :: Ocean	
						2280	ВМ-	20%:: 5%	1/day, 1/seas	30 m :: Ocean/L	
3,20,					Harris	3443	-W-	5%:: 2%	2/day	20-50 km :: Ocean/R	
MODIS	W. Y. W	Aerosol Angstrom Exponent	Gordon	2295				15%:: 5%	Ilday, Ilwk, Ilmo	I km :: Ocean/R.L	N/A :: Abnos
2,000					Harris	3442	BM	15%::5%	1/day	1-20 km :: Ocean/R	
MODIS	AM.PM	Aerosol Angstrom Exponent	Gordon	2296				15% .: 5%	Ilday, Ilwk, Ilmo	20 km :: Ocean	N/A :: Abnos
374077					Harris	3442	BM	15%:: 5%	1/day	1-20 km :: Ocean/R	
SIGO	W J WY	Aerosol Kadiance	Gordon	234				10%::5%	Ilday, Ilwk, Ilmo	I bn :: OceanGRL	N/A :: Amos
370071	71071				Harmis	3446	BM	10% :: 5%	1/day	1-20 km :: Ocean/R	
Signal	W.Y.WV	Aerosol Kadiance	Cordon	2343				10% :: 5%	11day, 11wk, 11mo	20 lon .: OceanGRL	N/A :: Atmos
					_	3368	BM			<0.5-1 deg :: G	
					1	32.0	BM	10%:: 5%	1/day	1-20 km :: Ocean/R	
37007	710 717	P1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			CE-18	X X	WM	5%:: 10%	once	250-1000 m :: Canada/R	N/A :: Sfc
200	M 7 M	rayiopiamion backs arer coe	CONDON	.667					Ilday, Ilwk, Ilmo	I bm :: Ocean'R	N/A :: TOO
37007	710 717				Abbott	3209	BM	50% :: 20%	1/day	1-4 km :: Ocean	N/A :: N/A
300	W J WY	Lewi-L Kadiance, Waser-leaving	Cordon et al	9/4/0				5% 5%	Ilday, Ilwk, Ilmo	I km :: Ocean/R.L	N/A :: 5/c
					+	3447	EM.	10%::5%	1/day	1-20 km :: Ocean/R	
					1	238	AM-(::-)	10:: 5	1/day	10 km :: R	N/A :: Sfc
					Brewer	225	ΨV	10%:: TBD	1/day, 1/seas	20 km :: Ocean	N/A:: TOO
MODIS	MAWA	Level-2 Radiance, Water-leaving	Gordon et al	2417				5% 5%	1/day, 1/wk, 1/mo	20 km :: OceanGR	NIA :: Sfc
					1	2415	EM	10% :: TBD	1/day, 1/seas	20 km :: Ocean	N/A :: TOO
					+	3447	EM EM	10% :: 5%	1/day	1-20 km :: Ocean/R	
					+	2187	BM-	10:: 5	1/day	10 km :: R	N/A :: Sfc
					Barron	2238	AM-(::-)	10::5	1/day	10 km :: R	N/A :: Cf.

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Output Data Product	Product		IDS Input Regirements	ul Kegi	rements	Accuracy	I empora	HOLIZONIAL	
Instrument	Platforms	Instrument Platforms Product Name	TM	Prod #	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
SIGOM	MA.P.M	Pigment Conc	Gordon, Clark	2591				30% :: 10%	11day, 11wk, 11mo	20 km :: OceawG,R	NIA :: T00
		•			Harris	3458	BM	30% :: 10%	1/day	1-20 km :: Ocean/R	
					Hansen	3077	BM	2% ::	1/wk	500 km :: Ocean	:: T00
					Abbott	2887	WV	35% :: 10%	1/(1-2 day)	1-4 km :: Ocean [Southern]	N/A :: T00
					Rothrock	2590	WV		1/(2 dmy)	10 km :: Polar	N/A:: T00
NODIS	MAMA	Pigment Conc	Gordon, Clark	2592				30% :: 10%	Ilday, Ilwk, Ilmo	I km :: Ocean/R.L	NIA :: T00
					Abbott	2587	BM	35% :: 10%	1/(1-2 day)	1-4 km :: Ocean [Southern]	N/A:: TOO
					Harris	3458	BM	30% :: 10%	1/day	1-20 km :: Ocean/R	
					Rothrock	2590	ΜV		1/(2 day)	10 km :: Polar	N/A:: T00
MODIS	MAMA	Ocean Water Attenuation Coeffor 90mm	Gordon, Clark	3199				25% :: 10%	Ilday, Ilwk, Ilmo	20 km :: Ocean-II R.L.	N/A :: T00
		:			Harris	3461	BM	25% :: 10%	1/day	1-20 lzm :: Ocean/R	
MODIS	MAMA	Octon Water Asternation Coef@490nm	Gordon, Clark	3200				25% :: 10%	11day, 11wk, 11mo	I km :: Ocean-II R.L.	N/A :: TOO
				_	Harris	3461	BM	25% :: 10%	1/day	1-20 km :: Ocean/R	
					Abbott	3204	ΨV	20% :: 5%	1/(1-2 day)	1-4 km :: Ocean [Southern]	N/A :: TOO-
					Richey, Batista	3203	AMS	10% :: 10%	1/wk	I lom :: Land/R	N/A :: TOO
MODIS	AM.P.M	Chlorophyll Fluorescence Line Curv	Hoge	2573				25% :: 8%	11day, 11mt	I bm :: Ocean'R	N/A :: 700
			1	-	Harris	3462	BM	25%:: 5%	1/day	1-20 km :: Ocean/R	
MODIS	MAMA	Pigment Conc. Phycobillin (Phycoerythrin, et Hoge	, er Hoge	3319*				50% :: 15%	I day,wk,mo	20 km :: OceanGR	NIA :: T00
			1		Harris	3458	BM	30% :: 10%	1/day	1-20 km :: Ocean/R	
MODIS	MA.MA	Pigment Conc. Phycobillin IP hycoerythrin, et Hoge	r, er Hoge	3320*				50% :: 15%	I day,wk,mo	I km :: Ocean/RL	NIA :: TOO
			•		Harris	3458	BM	30% :: 10%	1/day	1-20 lcm :: Ocean/R	
_					Harris	3459	BM	20%:: 10%	2-10 days	0.25-1 km:: Ocean/R	
MODIS	MAWA	Pigment Conc (via Spectral Curv)	Hoge, Esaias	2593*				30% :: 15%	1/day, 1/wk	I km :: Ocean/R	NIA :: TOO
		•	•		Harris	3458	BM	30% :: 10%	1/day	1-20 km :: Ocean/R	
MODIS	MAWA	Pigment Conc (via Spectral Curv)	Hoge, Esaias	2594*				50% :: 15%	11 day, 11 wit	20 km :: Ocean/R	N/A :: TOO
			•		Harris	3458	ВМ	30%:: 10%	1/day	1-20 km :: Ocean/R	
					Hansca	3077	ВМ	2% ::	1/wk	500 km :: Ocean	:: T00
SIGOM	MAWN	Soil Brightness Index	Huete	2047				5% :: 5%	Ilmo	I km :: Land/R	NIA :: Sfc
		,			Cihlar	3491	ВМ	10% :: 10%	- K	1 km :: Canada/R	N/A :: Sfc
					Валтоп	2796	AM.	10% :: 5%	1/mission	10 km :: Land/R	N/A :: Sfc
MODIS	MAWA	Soil Color Index	Huese	2002				10% :: 5%	I/mo	I km :: Land/R	N/A :: Sfe
					Barron	2	ΔM	10%::5%	1/mission	100 km :: Land	N/A :: Sfc
-					Ватов	27.8	AM-	10%::5%	1/mission	10 km :: Land/R	N/A:: Sfc
MODIS	MAWA	Land ste Temperature Difference, Day-Nighi Huete	ight Huete	2537*				IK :: IK	11day	856 m :: R	NIA :: Sfe
			1		Dickinson	3395	BM			O :: 405-1 dog :: O	
					Batcs	2538	ΨV	0.5 K :: 0.25 K	1/day	50 km :: Land	N/A:: Sfc
MODIS	MAWA	Veretation Index	Justice, Hwete et c	, 2749				10:0 :: 10:0	Ilday, Ilwk, Ilmo	10 km :: Land	NIA :: Sfe
					Murakami	2745	BM			:: Land	N/A :: Sfc
					Barron	27.16	BM	57::57	1/91	10 km :: Land/R	N/A :: Sfc
					Simard	27.20	BM	10%::		:: Canada/R	N/A :: Sfc
					Ваттов	7117	BM	57::57	1/yr	100 km :: Land	N/A:: Sfc
					Hamsen	2718	BM	: %5	1/wk	S00 km :: Land	30:

Appendix M: 1DS Input Requirements and Match Products by Instrument

Proof Liverlighter Proof Mister Type Abs :: Red Recolution Reset :: Core; Red Proof Mister Type Abs :: Red 1.00			Instrument Output Data Product	Product		IDS Input Regirements	1 Regire	ments	Accuracy	Temporal	Horizontal	Vertical
MAPM Mathematic Indiana	Instrument	Platforms	Product Name		Prod#	Investigator P	rod # N	latch Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
MATM Type de la company	MODIS	NW PM	Vegetation Index	Justice, Huete et c	2749		2742	BM	5%:	1/wk	S00 km :: Land	:: Sfe
State Stat					<u> </u>		3401	AM			Med-low_res :: Land	
MAPM Vagation ladar Integer 1721 NAME 2721 AAA 1975 1154 1164 1164 11AA 50 to 10					1	1	2788	Æ	10%::		:: Canada/R	N/A :: Sfc
March Marc						\exists	12731	νν	5%::	1/wk	500 km :: Land	:: Sfc
Horse 175 AM 154	Mobis	AM, PM	Vegetation Index	Justice, Huete et i	2750				10:01 :: 0:01	Ilday, Ilwk, Ilmo	0.5 km :: LandiR	NIA :: Sfe
MAPPA Vigetation Index 710 AA4 11:1 11m 11m 11m 240-500 = 1.Lengt 1. Lengt Add 1.							27.36	VΜ	15% :: 15%	1/31	1 km :: Lend	:: Sfc
MAPA Vigeoble Index Mark					1		6112	VΜ		1/sens	1 km :: Land/R	N/A :: Sfc
AMFM Viginition Index Totals 359 AMF 1195-1154 1400-1104 Index (1) total of 120 1100-1104 Index (1) total of 120 Inde							2743	ΑM	1::1	1/mo	240-500 m :: Land/R	N/A :: Sfc
AM PM Total State						_	3504	WΥ	15% :: 15%	Office	100 m :: Canada/R	N/A :: Sfc
Move Decision De	SIGOM	AM.P.M	Vegetation Index	Justice, Huete et e	2751				10'0 :: 10'0	11day, 11mk, 11mo	I km :: LandiR	N/A :: Sfc
Money 1779 AM 195-1549 1504 1104					L	-	3401	BM			Med-low_res :: Land	
MAP Land if Rifference, Directional							6172	¥		1/seas	1 km :: Land/R	N/A :: Sfc
AMFM Lond, if Rightener, Directional Augest 2721 AMF 1578:158 1/97 1 Inter-Lond Inter-Lond AMFM Lond, if Rightener, Directional Kaapma et al. 2421 BM 0.015:0.001 1 day 150:1001 n.:Connact R AMFM Lond, if Rightener, Directional Kaapma et al. 2421 BM 0.015:0.001 1 day 250:1001 n.:Connact R AMFM Lond, if Rightener, Directional Kaapma et al. 2431 BM 0.015:0.001 1 day 250:1001 n.:Connact R AMFM Lond, if Rightener, Directional Kaapma et al. 2431 BM 0.015:0.001 1 day 250:1001 n.:Connact R AMFM For Tomperator Kaapma, Junie 2431 BM 0.015:0.001 1 day 250:1001 n.:Connact R AMFM For Connact Lond Kaapma, Junie 2431 BM 0.015:0.001 1 day 250:1001 n.:Connact R AMFM For Connact Lond Kaapma, Junie 2431 BM NA 1009:0.001 1 day 250:1001 n.:Connact R AMFM					l	-	2736	Ψ¥	15%:: 15%	1/4	1 km :: Lend	:: Sfc
AMP M Lond of Reference, Directored Adjusted to a control of con					1	-	2721	Ā	15% :: 15%	14		38:
Chief 1500 1 1 1 1 1 1 1 1 1	MODIS	MAMA	Land sft Reflectance, Directional	Kaufman et al	2429				\$000 - 100	Hdm		20 474
MAPM Lond_3ft Rifletianet, Directional				•	.1		3500	BM	1000 :: 000) day	250-1000 m :: Consider®	MA Cfc
MAPM Load # Reflectore; Directional fashions of a 201 Solient 201 AM Mapma Load # Reflectore; Directional fashions of a 201 Solient 201 1049					1	\dagger	2426	WY	3414	1/400 1/4000	1.7 km :: Ocean	M/A :: 66
AM PM Lond, 3F Reference, Directional Colline 340 Colline 500 : 1000 1 lasy 05 1 lasy 05 1 lasy 250 strong and a colline of some clean					1	\dagger	2034	Ę	2::::	most 'Ann't	i. i Mil Overil	14 A :: OIC
Chie 350 BM 003:0001 1 day 250:100 at: Consider 250 BM 003:0001 1 day 250:100 at: Consider 250 BM 35:15 1 day 250:100 at: Consider 250 BM 35:15 1 day 1 day 250:100 at: Consider 250 BM 35:15 1 day 1 day 250:100 at: Consider 250 BM 005:0001 1 day 250:100 at: Consider 250 BM 005:0001 1 day 250:100 at: Consider 250 BM 005:0001 1 day 250:100 at: Consider 250:100 at: Conside	MODIS	MAMA	Land ste Reflectance, Directional	Kaufman et al	2430				\$000 100	11400	9::=430	M/4 5.6-
March Lond Splitteneer, Directional Ranjema et al 2427 2841 AM PM Bire Temperature AM PM Bire Temperature AM PM Bire Temperature Am Pm AM PM Bire Temperature Am Pm AM PM Bire Temperature Am Pm AM PM Bire Temperature Am Pm AM PM Bire Temperature Am Pm AM PM Bire Temperature Am Pm AM PM Bire Temperature Am Pm AM PM Bire Temperature Am Pm AM PM Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm Am Pm Bire Temperature Am Pm			•			+	55	M	006000	1	O :: May Co	3(c :: ∨/w
AMPH Load of Refinence Directional Kadjman Load of Refinence of AMPH 2437 BM 358.156 11day Load of Loads CO18 in Cloud AMPH Fire Toward AMPH 1007.0000 110 mon 0.32 km.: Consult AMPH Fire Count AMPH 1007.0000 110 mon 250.1000 mis Consult AMPH Fire Count AMPH 1007.0000 110 mon 250.1000 mis Consult AMPH Fire Count AMPH 1007.0000 110 mon 250.1000 mis Consult AMPH Fire Count AMPH 1007.0000 110 mon 250.1000 mis Consult AMPH Fire Count AMPH 1007.0000 110 mon 250.1000 mis Load AMPH Fire Count AMPH 1007.0000 110 mon 110 mon 110 mon AMPH Fire Count Amplies 2502 AM 1006.00 110 mon 120 mon AMPH Fire Count Amplies 2502 AM 1006.00 110 mon 250 mon 120 mon AMPH					_1_	+	30.00	E N	1000 :: 000	1 day	250-1000 m :: Canada/K	N/A :: Sfc
Mail	NODIS	MANY	I cand of Deflectance Directional	7	1	-		£ .			250-500 m :: Land	
Children			and a subject monte, Lines and all	A day more or de	23_ }		Ş		0.00.0 :: 10.00	l I day	0.25 km :: G	N/A :: Sfc
Cibine 2437 BM						+	1750	DW .	3%::1%	1/day, 1/scas	.22 km :: Ocean/L	N/A :: Sfc
Column						+	2437	BM	0.05 :: 0.001	1/(3 то)	0.25 km :: Cenada/R	N/A :: Atmos
AM PM Fire Temperature Kaufman, Justice 2471 Solures 2441 AM PM Fire Temperature Kaufman, Justice 2471 Hanson 2662 AM 10C :: 5 C 1/ab; 1/ab 1/ab; 1/ab 1/ab; 1/ab 2000m: Land 1 AM PM Fire Eatent Kaufman, Justice 2664 Henson 2662 AM 1006::: 1/ab; 1/ab 1							3200	BM	0.05 :: 0.001	1 day	250-1000 m :: Canada/R	N/A :: Sfc
AM PM Fire Court Kayfman, Justice 2451 Henson 2662 AM 10%:: 1 Act 11/mit 2000 Mm:: Land R 1 Long:: Land R 2000 Lm:: Land R 1 Long:: Land R 2000 Lm:: Land R <th< td=""><td></td><td></td><td></td><td></td><td></td><td>1</td><td>Ę Ř</td><td>ΨV</td><td></td><td></td><td>250-500 m :: Land</td><td></td></th<>						1	Ę Ř	ΨV			250-500 m :: Land	
AMFM Fire Court Kaufman, Justice 2663 AMM 10%:: 1 Juk 1 Juk 500 m:: Land R AMFM Fire Court Kaufman, Justice 2665 Hanson 2662 AM 10%:: 1 Juk 500 m:: Land R 10 m:: Land R <td< td=""><td>MODIS</td><td>AM.PM</td><td>Fire Temperature</td><td>Kaufman, Justice</td><td>7471</td><td></td><td></td><td></td><td>10 C :: 5 C</td><td>11day, 11mk</td><td>I km :: Land/R</td><td>N/A :: S/c</td></td<>	MODIS	AM.PM	Fire Temperature	Kaufman, Justice	7471				10 C :: 5 C	11day, 11mk	I km :: Land/R	N/A :: S/c
AMPM Fire Count Kaufman, Justice 2664 Hausen 2662 AAM 1048; 3 1144t 500 km:: Land AMPM Fire Count Kaufman, Justice 2664 Hausen 2662 AAM 1048; 3 1144t 500 km:: Land AMPM Fire Esteral Kaufman, Justice 2664 Hausen 2662 AAM 1048; 3 1144t 500 km:: Land AMPM Fire Esteral Kaufman, Justice 2664 BAM 1068; 3 1144t 500 km:: Land AMPM Fire Esteral Kaufman, Justice 2764 Hausen 2662 AAM 1068; 3 1144t 500 km:: Land AMPM Fire Class Kaufman, Justice 2711 Hausen 2662 BAM 1068; 3 1144t 500 km:: Land AMPM AMPM Arcevial Mast Loading Kaufman, Justice 2717 Hausen 2662 BAM 1068; 158 1144y 500 km:: Land AMPM Arceipiable Water Kaufman, Tante 171 Harria <							7997	VΨ	10% ::	1/wk	500 lzm :: Land	:: Sfc
AM.P.M. Fire Coult Kaufman, Justice 2664 Hansen 2662 AM 10% :: 14, k 500 km:: Land AM.P.M. Fire Esteral Kaufman, Justice 2665 Hansen 2662 BM 10% :: 14, k 500 km:: Land AM.P.M. Fire Esteral Kaufman, Justice 2665 Hansen 2662 AM 10% :: 14, k 500 km:: Land AM.P.M. Fire Class Kaufman, Justice 2065 Hansen 2662 BM 10% :: 14, k 500 km:: Land AM.P.M. Fire Class Kaufman, Justice 2011 Hansen 2662 BM 10% :: 16 10km:: Land AM.P.M. AM.P.M. Arceol Mass Loadry Kaufman, Justice 2011 Hansen 2662 BM 10% :: 16 10km:: Land AM.P.M. Arceol Mass Loadry Kaufman, Justice 2011 Hansen 2662 AM 10% :: 16 10km:: Land AM.P.M. Arceolable Water Kaufman, Justice 2011 Hansen 2662 AM 10% :: 16 10km:: Land AM.P.M. Precipiable Water Kaufman, Justice 2011	MODIS	MW.P.M	Fire Count	Kaufman, Justice	7003					11day, 11wk	I km :: Land/R	N/A :: Sfc
AM_PM Fire Extent Kaufman, Justice 2664 Hansen 2662 BM 10%::: 1 1146p, 11nd 10 lbm:: Land 10 lbm:: Land AM_PM Fire Extent Kaufman, Justice 2665 Hansen 2662 AM 10%::: 1 1146p, 11nd 10 lbm:: Land 146p, 11nd 10 lbm:: Land 146p, 11nd 10 lbm:: Land 10 lbm::							7997	VΜ	10%::	1/vk	SOO lenn :: Land	:: Sfc
AMPM Fire Extent Kaufman, Justice 2065 Hansen 2662 BM 10%::: 1, wk 1/wk 500 km:: Land R AMPM Fire Extent Kaufman, Justice 2065 Hansen 2662 AM 10%::: 1, wk 500 km:: Land R 1 km:: Land R 1 km:: Land R 1 km:: Land R 1 km:: Land R 1 km:: Land R 1 km:: Land R 40.5: La	SIGOM	MA' DM	Fire Count	Kaufman, Justice	7004					11day, 11mk	10 km :: Land	N/A :: Sfc
AMPM Fire Extent Kayman, Justice 2665 Hansen AMPM 262 AM AMP AMPM Fire Extent I Iday, I/wk (a) I I Ibm :: Land (a) I I Ibm :: Land (b) I I Iwk (a) I I I I I I I I I I I I I I I I I I I							2992	ВМ	10% ::	1/wk	S00 km :: Land	:: Sfc
AM.P.M. Fire Extent Kaufman, Justice 2066 Decisions 2005 AM.P.M. Fire Extent Kaufman, Justice 2066 AM.P.M. Fire Class Inday, Ilwk 1 (day, Ilwk<	MODIS	MW PM	Fire Extent	Kaufman, Justice	2002					1/day, 1/wk	I km :: Land/R	N/A :: Sfc
AM PM Fire Extent Kayman, Justice 2066 Dickinson 2662 BM 11day, 11vk 1 day, 1						1	2992	Ā	10% ::	1/wk	500 km :: Land	:: Sfc
Dictinace 336 BM 10%:: 1/wk 205.1 deg:: Land 262 BM 10%:: 1/wk 500 km:: Land 262 BM 10%:: 1/wk 500 km:: Land 262 AM 10%:: 1/wk	MODIS	AM.P.M	Fire Extent		9997					II day, II wk	I de :: Land	N/A :: Sfc
AM.PM Fire Class Kaufman, Jartice 2711 Hansen AM.PM 2662 BM 10% ::: 1/wk 500 km :: Land 10.00 km :: La					1		3398	ВМ			<0.5-1 deg :: Land	**************************************
AM.PM Fire Class Knujhnov, Justice 2711 Hansen AM.PM 2652 AM 10 C.: 5 C 11 day, 1/wk 10 bw :: Land AM.PM Aerosol Mast Loading Kaujhnav, Tavre 1017 Hansen 2662 AM 10% :: 10% 11 day, 1/mo 500 km :: Land 500 km :: Land AM.PM Aerosol Mast Loading Kaujhnav, Tavre 1017 Harris 3282 BM 15% :: 15% 11 day 50 km :: Coean/R AM.PM Prezipitable Water Kaujhnav, Tavre 1874 187 BM 30% :: 10% 1/day 5 km :: Land AM.PM Prezipitable Water Kaujhnav, Tavre 1874 Barron 1860 BM 3% :: 1% 1/day 10 km :: R AM.PM Prezipitable Water Kaujhnav, Tavre 1874 Barron 1860 BM 3% :: 1% 1/day 10 km :: R AM.PM Prezipitable Water Kaujhnav, Tavre 1874 AM 20% :: 3% 1/day 10 km :: R AM.PM Prezipitable Water Kaujhnav, Tavre 1874 AM 20% :: 3% 1/day 10 km :: R AM.PM Prezipitable Water Kaujhnav, Tavre 1884 AM 20% :: 3% 1						1	7997	BM	10% ::	1/wk	500 km :: Land	:: Sfc
Harrison AMP Acrosol Mass Loading Kaufman, Tourie 1017 Harrison 30% : 10% 1/day 1/da	SIGOM	AM.P.M	Fire Class	Kaufman, Justice	11/2				10 C :: 5 C	11day, 11wk	10 km :: Land	N/A :: Sfc
AM.P.M. Aerosol Mass Loading Kaifman, Tan're 107 Harris 3424 BM 1%::1% 1/day 50 km :: Cocan/R Mouginis-Mert 3424 BM 1%::1% 1/day 50 km :: Cocan/R 1 Mouginis-Mert 322 BM 30%::1% 1/day 1 km :: Land/R 1 AM.P.M. Proceptable Water Kaifman, Tan're 1874 8M 30%::1% 1/day 5 km :: Land/R Murakemi 1860 BM 3%::1% 1/day 10km :: R 10km :: R Abbott 1859 AM 10%::5% 1/(1-2 day) 25 km :: Ocean [Southern] Bates 1860 AM 5%::3% 2/day [day] 30 km :: G						-	2992	WV	10% ::	1/wk	500 km :: Land	:: Ske
Harris 3424 BM 1%::1% 1/day 50 km :: Ocean/R Mouginia-Mert 322 BM 1/m:: Lend/R 1 km :: Lend/R Laects 1016 BM 30%::10% 1/day 1 km :: Lend/R Laects 1874 Barron 1860 BM 3%::1% 1/day 5 km :: Lend/R Murakemi 1867 AM 30%::1 (34a) 10 km :: R Abbott 1858 AM 10%::5% 1/(1-2 day) 25 km :: Ocean [Southern] Bates 1862 AM 5%::3% 2/day [d.n] 50 km :: G	MODIS	NW P.W	Aerosol Mass Loading	Kaufman, Tanre	1017				30% :: 10%	11 day Jimo	0.5 dg :: G.R	N/A :: Abnos
AM.P.M. Precipiable Water Kayman, Tanze 1874 BM 30%::10% 1/kky 1-10 km::Land/R AM.P.M. Precipiable Water Kayman, Tanze 1874 BM 3%::1% 1/kdsy 1-10 km::Land/R 10 km::R Barron 1860 BM 3%::1% 1/day 10 km::R 10 km::R About 1857 AM 20%::1% 1/(1-2 day) 25 km::Ocan [Southern] Bates 1860 AM 5%::3% 2/day [d_n] 50 km::G							3424	ВМ	%! :: %!	1/day	50 lcm :: Ocean/R	
Lancto L						_	3282	BM		1/day	1 km :: Land/R	N/A:: Plume_col
AM.PM Precipitable Water Kaylman, Toure 1874 Barron 1860 BM 3%:1% 1/day 10 km::R Inday Inda							1016	ВМ	30% :: 10%	1%k	1-10 km :: Land/R	N/A :: Atmos
1860 BM 3%:1% 1/day 10 km:: R 1 1867 AM 20%:: 3 1(1-2 day) 25 km:: Ocean [Southern] 1858 AM 10%:: 3% 1(1-2 day) 25 km:: Ocean [Southern] 1862 AM 5%:: 3% 2/day [d.n] 50 km:: G	MODIS	AM.PM	Precipitable Water	Kaufman, Tanre	1874				8% :: 6%	1/day	S km :: Land	N/A :: Abnos
1867 AM 20%:: 1(1-2 day) 25 km:: Ocean [Southern] 1862 AM 5%:: 3% 2/day [d.n] 50 km:: G						Н	1860	BM	3%::1%	1/day	10 km :: R	Column :: Trop
1858 AM 10% :: 5% 1/(1-2 day) 25 km :: Ocean [Southern] 1862 AM 5% :: 3% 2/day (d.n.) 50 km :: G							1867	МΑ	20%::			
1862 AM 5%:3% 2/day [d.n.] 50 km: G					1	+	1858	AM	10% :: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	Column:: Trop
							1862	νW	5%::3%	2/day [d,n]	D:: F21 0S	N/A :: Trop

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Output Data Product	ata Product		IDS Input Regirements	ut Reqir	ements	Accuracy	Temporal	Horizontal	v erucai
strument	Platforms	Instrument Platforms Product Name	TM	Prod #	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
MODIS	AMPM	Precipitable Water	Kaufman, Tanre	1874	Kerr, Sorooshian	1865	ΜY	10% :: 10%	2/day	50 km :: Land	Column :: Atmos
MODIS	AMPM	Aerosol Optical Depth, Spectral	Kaufman, Tanre					\$0.0 :: 1.0	1/day, 1/mo	0.5 dg :: Land	N/A :: Atmos
					Dickinson	3383	BM			<0.5-1 dog :: G	
					Sellers	2288	BM	::			
					Sellers	1004	BM				
					Isacks	23.26	Ą	5-15% :: 1-10%	1/wk	10-50 km :: Land/R	Column :: Atmos
					Hamsen	1001	νW	tau=0.02 ::	1/wk	500 km :: G	:: Trop
					Wielicki	2289	W	0.10::0.10	1/day	1.25 dg :: G	N/A :: Atmos
					Hamsen	287	WY	tau=0.02 ::	1/wk	500 km :: G	:: Strat
					Kerr Sorrochian	2325	¥	10%:: 10%	1/(5-16 day)	10 km :: Land/R	:: Atmos
					Hartmann	1002	Ą	tau=0.02 ::	1/day	20 km :: G	3 km :: 0-15 km
					S.	1003	ΨV		2/day	D::	:: Strat
37007	710 711	I and 2 Dedicate I and lemins	Koufmon Toure	2 380	2,			10% 5%	II day, I Imo	10 km .: Land	N/A :: Sfc
SIGO	M Y MV	Tevel-1 Addiance, Land Jeuring	A they would be a second	8	Barron	7816	BM-	10:: 5	1/day	10 km :: R	N/A :: Sfc
					Berro	2238	BM-	10:: 5	1/day	10 km :: R	N/A :: Sfc
STOOM	NON	Presinitable Water	Kaufman Tanre	132/				12% :: 8%	I day, mo	I km :: Land	N/A :: Abmos
					Richey, Batista	1863	ВМ		1/wk	1 km :: R	Column :: Trop
					Richey, Batista	1810	ΨV	5%:: 5%	1/day	:: R	:: Trop
					Ваттов	1860	WV	3%::1%	1/day	10 km :: R	Column :: Trop
					Kerr, Sorooshian	1865	WV	10% :: 10%	2/day	50 km :: Land	Column :: Atmos
NODIS	AM.PM	Precipitable Water	Kaufman, Tanre	3322				5% :: 3%	I day, mo	I dg :: Land	N/A .: Abnos
			ì		Barron	1861	BM	3%:: 1%	1/day	100 km :: G	Column :: Trop
				i	Dickinson	3355	BM			<0.5-1 deg :: G	
MODIS	MAMA	Cloud Cover	King	1802				10%::5%	2/day [d.n], 1/mo	S &m :: G	N/A :: Cloud
!			•		Barron	2050	ВМ	5::5	1/day	10 km :: R	N/A :: Cloud
					Dickinson	3344	ВМ			Med_ret :: 0	
					Harris	3436	ВМ	5-10%:: 2-5%	2/day	5-50 km :: Ocean/R	
					Liu	2055	ВМ			:: Ocean	N/A :: Cloud
					Simard	9502	ВМ	5%::		:: Canada/R	N/A :: Clond
					Srokosz	2060	ВМ	5%::1%	2/day	10 km :: Ocean [South Atlan]	N/A :: Cloud
					Kerr, Sorooshian	2075	ВМ	5%:: 5%	1/day	10 km :: Land/R	N/A :: Clond
					Moore	2057	ВМ	10% :: 10%	1/wk	1 km :: G	
					Isacku	2053	BM		1/wk	5 km :: Land/R	N/A :: Cloud
					Murakami	2058	¥	10% ::			N/A :: Cloud
					Batca	202	AM S-	0.05 :: 0.025	2/day [d,n]	15 x 45 km :: G	N/A :: Cloud
					Hensen	2022	₩V	3%::	1/wk	500 km :: G	:: Cloud
					Вастов	2049	WV	5::5	1/day	100 lcm :: G	N/A :: Cloud
					Les.	2054	WW	5%::5%	2/day	50 km :: R	N/A :: Atmos
					Wielichi	1900	VΜ	5% :: 2%	6/day [d,n]	25-100 len :: G	N/A :: Atmos
					Sellen	2059	WY		4/day	100 km ::	0.5 ton :: Trop
SIGON	AM PM	Cloud Cover	King	2082				10%::5%	Ilday, Ilmo	1 dg :: G	N/A :: Cloud
			•		Barron	8049	L	5::5	1/day	100 km :: G	N/A :: Cloud
					Batca	2074	ВМ	10% :: 5%	1/day, 1/mo	1 dg :: Q	N/A :: Cloud
					Dickinson	3345				Low_res :: G	
					Rothrock	9202	BM	0.1::0.1	1/day	100 km :: Poler	N/A :: Cloud
					Hansen	202	ВМ	3%::	1/wk	S00 km :: G	:: Clond
					Liu	2055				:: Ocean	N/A :: Cloud
					Bates	5069	AM S-		1/day	100 km :: G	0.5 km :: Trop

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Ontone Data Froduct	11075 1 21	-	US Input Regirements	L KCGI		Accurace	Temporal	Horizontal	- Contino
Instrument	Platforms	Instrument Platforms Product Name	TM	Prod *	Investigator Prod # Match Type	# Por	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
ѕіаом	MAMA	Cloud Cover	King	2082	3	92 92 92 92	ΛΜ\$-	5%:: 5%	1/day	D:: m1 001	: V/A ::
		!		1	Batcs	2073	MA	\$61	1/(6 hr)	1 * 1 4 = .0	Find : VIV
SIGOW	MAWA	Cloud Optical Depth	King	1167				20% 10%	11/400 141		MA Claus
				1	Herris	34	BM	10-20% :: 5-10%	2/dav-1/dav	5-50 km :: Ocean/R	
				1	Isacks	3326	BM	5-15%:: 1-10%	1/wk	10-50 km :: Land/R	Column : Atmos
					Kerr, Sorooshian	2325	BM	10% :: 10%	1/(5-16 day)	10 km :: Land/R	:: Atmos
					Batcs	2304	BM		1/day	15 x 45 km :: 0	N/A :: Cloud
					Barron	2302	BM	3%::3%	1/day	10 km :: Ocean/R	N/A :: Cloud
					Hartmann	2306	BM	25%:: 0.25	1/day	10 km :: Ocean	N/A :: Cloud
					Dickinson	3382	MΑ			<05-1 deg :: 0	
SIGOM	MAWA	Cloud Optical Depth	King	2312				20% :: 10%	Ilday, Ilmo	9 :: 8p /	N/A :: Cloud
					Bates	2306	ВМ	20%:: 10%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
				!	Dickinson	3382	ВМ			<05-1 dog :: 0	
					Dickinson	3383	BM			<05.1 deg :: G	
					Rothrock	2544	BM	0.1::0.1	1/day	100 km :: Poler	N/A :: Cloud
					Barron	2301	ΑM	3%::3%	1/day	100 km :: Ocean	N/A :: Cloud
					Bates	2304	ΑM		1/day	15 x 45 km :: G	N/A :: Cloud
MODIS	MAMA	Cloud Drop Phase	King, Menzel	1764				90% Conf :: 90% Conf	1/day	5 tm :: G	NIA :: Cloud
				1	Wielicki	1760	BM	25%:: 10%	1/(16 day)	.03-10 km :: R	N/A :: Atmos
					Hartmann	1785	AM-	0.02 :: 0.02	1/day	10 km :: Ocean	N/A :: Cloud
		WAS DESCRIPTION OF WARE			Wielicki	1761	ΑM	90% Conf :: 90% Conf	(day [d.n]	25-100 km :: G	N/A :: Atmos
моріѕ	MAWA	Cloud Drop Phase	King, Menzel	1765				90% Conf :: 90% Conf	Ilday, Ilmo	1 dg :: G	N/A :: Cloud
				1	Bates	1759	ВМ		1/day, 1/mo	1 dg :: G	N/A :: Cloud
					Dickinson	3346	ВМ			<0.5-1 deg :: G	
SIGOM	AM.PM	Cloud Drop Size(Effective Radius)	King, Merael	082/				0-40% :: 5%	11day	5 km :: G	N/A :: Cloud
				1	Wielicki	1771	ВМ	25% :: 10%	1/(16 day)	.03-10 km :: R	N/A :: Atmos
					Dickinson	3347	ΜV			<05·1 deg :: G	
					Wielicki	1772	ΨV	30% :: 10%	(4ay [4,n]	25-100 km :: G	N/A :: Atmos
MODIS	MM,PM	Cloud Drop Size Effective Radius)	King, Merzel	182				0-40% :: 5%	Ilday, Ilmo	1 dg :: G	N/A :: Cloud
					Batcs	1111	BM	0-40% :: 5%	1/day, 1/mo	1 dg :: G	N/A :: Cloud
					Dickinson	3347	Ą			<0.5·1 deg :: G	
SIGOM	AM PM	03 Total Burden	Menzel	£				15-20DU :: 10DU	21day, 11day	S ton ;; G	Column :: Atmos
				1.	Murakami	1331	BM	\$-10% :: 2-10%			
270077	7.6			7	Kerr, Sorooshian	1308	BM	5%::5%	1/dsy	25 km :: G	Соћити :: Астов
Sign		C) I ordit B in den	Merze	**************************************		;		15-20DU :: 10DU	II day, IImo	05 dg :: G	Column :: Atmos
				1	More	1300	§ 3	3-1076 :: 2-1076	144		į
				<u>.15</u>	Ker Somoshim	1308	2	AR 5 R	1,442.	0::10:00	sounv ::
MODIS	AMPM	Cloud Pressure Top	Momel	1528				50 30 -k	27.4-	D:: III 77	Column :: Aunos
					Bates	1527	BM	50 mh :: 20 mh	21400	D :: MA. C	NA :: Closed
				٠.	Dickinson	3330	BM		(m)	05-1 des :: 0	anora :: U/st
					Kerr, Sorooshisa	1417	BM	::05 km	1/4	l km :: Land/R	:: Cloud
					Herris	3437	BM	0.5:: 0.3	2/day	20-50 km :: Ocean/R	
					Murakami	1418	W	1 km ::			:: Cloud
					Валтоп	1413	WV	100 m :: 25 m	1/day	10 km :: R	100 m :: Cloud
MODIS	MA'MA	Cloud Pressure, Top	Merael	1529				50 mb :: 20 mb	Ilday, Ilmo	J : \$p 1	N/A :: Cloud
					+	13%	BM	S0 m ::	12×k	500 km :: G	:: Cloud
					Dickinson	3330	¥			<05-1 deg :: G	

Appendix M: 1DS Input Requirements and Match Products by Instrument

Proof # Investigator Proof # Match Type Abs : Rei			Instrument Output Data Product	ta Product		IDS Input Regirements	t Regir	ments	Accuracy	Temporal	Horizontal	Vertical
MAP M. Disability of the control of the con	Instrument	Platforms	Product Name			Investigator P	# por	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
MATIN Preparate Vate Marchelle 115 Mar	NODIS	AMPM	Cloud Pressure, Top		1529		1412	W	100 m :: 25 m	1/day	100 km :: G	100 m :: Cloud
MATA Preparate Water Month 1955 Month 1955 Month 1956 Month 1						H	1418	WV] km ::			:: Cloud
MAJN Preguests blace Mond MON MO							1419	WV	0.2km :: 0.2km	1/day	100 km :: Poler	:: Cloud
MAPM Chat Francisco Francisco Mappe Marked Mappe	SIGOM	MA,PM	Precipitable Water		1875				10 mm :: 5 mm	2/day	5 km :: G	N/A :: Abmos
House 1840 1844 1845 1844							1858	ВМ	10% :: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	Column:: Trop
MATIN Chalfbauring Month Matin						_	1860	BM	3%::1%	1/day	10 km :: R	Column:: Trop
Second Business Second Bus					1		1867	ВМ	20%::			
Stadest 1845 384 1484 2014 2014 2014							3440	ВМ	5%::3%	2/day	20-50 km :: Ocean/R	
MAPM Clast Engirity Mored 125 Base 185 BM 195 154 1449 105 105 105 1049 1049					Ш.		1868	BM	lkg/m^2 :: 0.1kg/m^2	2/day	10 km :: Ocean [South Atlan]	N/A :: Atmos
Major Mode Major Major Mode Major Mode Major Mode Major Mode Major Mode Major Mode Major Mode Major Mode Major M					L		1862	BM	5%::3%	2/day [d.n]	50 km :: G	N/A :: Trop
MAPM Cloud Emailton Metal 125 May 0.5 c.0 1469 1469 10 May 10 Ma						L_	1865	BM	10% :: 10%	2/day	50 km :: Land	Column :: Atmos
MAP M Cloud Engining Mixed Special Land 16 Line 1866 AM D 05:05 3 1869 2 2869 2					L		3439	æ		1/day	10-25 km :: Ocean/R	
AMPM Cloud Emurity Menual 2170 BM OFFICE OFFI 1 PM 1 PM 1 PM 0551 deg = O 35 min color 1 PM					I		1866	AM	0.5::0.5	1/day	25 km :: Ocean	Column:: Trop
Decisione 277 284 100 100 104 110	SIGOM	AMPM	Cloud Emissivity		1726	-			0.10 :: 0.05	2/day	5 km :: G	N/A :: Cloud
Move 144 Chad Emiting Move 127 Dictation 127 Dicta					1	-	3372	BM			<05-1 deg :: Q	
AMFM Cloud Ensity of Cloud Temperature, Top Mends 1377 BM 0.10 = 0.05 1 May, Throat					1	\vdash	2360	BM	10% :: 10%	1/wk	1 km :: G	:: Cloud
AM PM Cloud Tomperators, Top Heard 240 Binner 249 Bin 2.0.1 146.0 100 bas; Cloud Tomperators, Top Heard 240 Binner	MODIS	MAWA	Cloud Emissivity		1117				0.10 :: 0.05	Ilday, Ilmo	1 48 :: G	N/A :: Cloud
MAPM Cloud Temperature, Top Monte of Ability					1	-	3372	BM			<0.5-1 deg :: G	
Bearing 2457 BM 2::1 1499 100 hm::0 1,00 hm	MODIS	MAWA	Cloud Temperature, Top		3466				20::10	11day, 11mo	1 48 :: G	N/A :: Cloud
Delctions 3187 BM Cloud Temporature, Top Henced 2407 Saler 2451 BM 256.71 C 224cy 5.00 m; a. CO m; a. CO m and a construct to the construction Multir, Strukter 2407 BM 12 K; a. CO m 1.0 k; a. CO m; a.					1		2458	BM	2::1	1/day	100 km :: O	N/A :: Cloud
Solate 2457 BM SS.: 1 Ivk 500 tm : C					L		3387	BM			<0.5-1 deg :: G	
Heaten 2467 Heaten 246							2457	BM				
AMP IN Cloud Temperatine, Top Marie: Top Marie: States 1 Marie: States							2461	BM	5% ::	1/wk	500 km :: G	:: Cloud
Harris 2449 BM 1.2 K = 0.51 K 20dy-1/64y 5.50 km = 0.0000 R 2.1 1/64y 10 km = 0.50 km = 0.0000 R 2.1 1/64y 10 km = 0.50 km = 0.0000 R 1/64y 10 km = 0.50 km = 0.0000 R 1/64y 10 km = 0.50 km = 0.0000 R 1/64y 10 km = 0.50 km = 0.0000 R 1/64y 10 km = 0.50 km = 0.0000 R 1/64y 10 km = 0.50 km = 0.0000 R 1/64y 1/64y = 0.0000 R 1/64y 1/64y = 0.0000 R 1/64y 1/64y = 0.0000 R 1/64y 1/64y 1/64y 1/64y = 0.0000 R 1/64y 1	SIGOM	MAMA	Cloud Temperature, Top		2467				2C::1C	2/day	5 km :: G	N/A :: Cloud
Solien 2459 BM 2 :: 1 1/494 10 lm :: R					ш.		3449	ВМ	1-2 K :: 0.5-1 K	2/day-1/day	5-50 km :: Ocean/R	
Mailer, Specinal, Total Fame 1945 19							2457	ВМ				
Mailer, Specified Mailer, Stankler, Dictational Mailer, Barrolla Mailer, Stankler, Dictational Mailer, Barrolla Mailer, Barrolla Mailer, Barrolla Mailer, Barrolla Mailer, Barrolla Mailer, Barrolla Mailer, Barrolla Mailer, Barrolla						Ц	2459	BM	2::1	1/day	10 km :: R	N/A :: Cloud
Baros 2460 AM 1 K = 0.5 K 2/day [d.h] 15 x 45 Km : G					_	Ц	2462	ВМ	5%:: 5%	1/Jr	500 m :: Land/R	:: Cloud
Dickinson 1887 AM 100s.: 56 1/13 doy) 1 low: Load/R 100m.: G 1/13 doy) 1 low: Load/R 100m.: G 1/13 doy) 1 low: Load/R 100m.: G 1/13 doy) 1 low: Load/R 1 low:							2460	WV	1 K :: 0.5 K	2/day [d.n]	15 x 45 km :: G	N/A :: Cloud
AM PM Albedo, Spectral, TOA Muller, Speaker 2001 AM 3:: 1/d3 dop) 1 km: Lonal/R 2 km: Lon						\vdash	3387	MΛ			<0.5-1 deg :: G	
Barrol 2023 AM 3:: 1/day 100 bm :: 0 Barrol 1005 AM 10% :: 1/day 100 bm :: 0 Barrol 1955 AM 10% :: 1/day 10 bm :: 1 Chilu 100	MODIS	MAWA	Albedo, Spectral, TOA	ı	7007				10% :: 5%	11(3-8 day)	I km :: Land/R	N/A :: TOA
Ref. Standard Muller, Stratuter, Directioned Stratuter, Dir					ل ــــا		2023	WV	3::	1/day	100 km :: G	N/A:: TOA
AM.P.M. Load_off Reflectance, Directional Muller, Strabler; 2434 Cohine 350 AM 1056;:1076 1/day 25 km::Land/R 1/milery 25 km::Land/R 1/milery 25 km::Land/R 1/milery							1995	ΨV		1/day	S0 km :: Land	N/A :: Sfc
AMPM Land yf Reflectance, Directional Muller, Stabler; 36ds* Chlur 3500 BM 005::001 1 day 1 bm :: R 1 AMPM AMPM Albedo, Spectral, Land, yfc Muller, Stabler; 3665* Salers 2034 AM SS.::3% 1 lday 1 bm :: Land/R 1 Simuch Solicar 2034 AM 2%::3% 1 lday 1 bm :: Land/R 1 Simuch Solicar 2034 AM 2%::3% 1 lday 1 bm :: Land/R 1 Hinnee Solicar 2034 AM 2%::3% 1 l/wk 500 m:: Land 1 Hinnee Barron 2013 AM 1%:1% 1 l/wk 250 m:: Land 1 AMPM Albedo, Total [SW], Land Muller, Stabler; 3666* Simuch 2019 AM 10%:: 1% 1 l/wk 250 m:: Land Hansen 2024 AM 0.02:: 1% 1 l/wk 250 m:: Land 1 l/wk 250 m:: Land Hansen 2039 AM 0.02:: 1% 1 l/wk							8008	WV	10% :: 10%	1/day	25 km :: Land/R	:: T0A
Cibler 350 BM 0.05 : 0.001 1 day 250-1000 m : CanadaR	SIGOM	MAMA	Land sty Reflectance, Directional		2434				5% :: 3%	1/day	I km :: R	N/A :: Sfe
Seliers 2034 AM Albedo, Spectral, Land sft Muller, Strakler, 3663° Strings 1647 1647 1647 1647 1648 1647 1648 1647 1648 16						Cihlar	3500	ВМ	0.05 :: 0.001	1 day	250-1000 m :: Canada/R	N/A :: Sfc
AM.PM Albedo, Spectral, Land_sfe Muller, Straker,: 3665* Dickinson 3367 BM 256.::35 11day 11 bit Leas.: Land High_res:: Land Simard 2019 AM 276.::35 1/wk 500 km:: Land 1/kk 500 km:: Land 1/kk 10 km:: G 1/kk 10 km:: G 1/kk 10 km:: G 1/kk 250 m:: Land 1/kk 250 m:: Land 1/kk 550 m:: Land 1/kk 1/kk 1/kk 1/kk 1/kk 1/kk </td <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>Sellers</td> <td>ğ</td> <td>₹</td> <td></td> <td></td> <td></td> <td></td>					1	Sellers	ğ	₹				
Dictinace 35G BM 2%:: High_res::Land High_res::Land Simard 2019 AM 2%:: 1/wk 500 lm::Land Barron 2013 AM 1%:1% 1/wk 500 lm::Land Barron 2014 AM 10%:11% 1/wk 500 lm::Land Simard 2014 AM 10%:11% 1/wk 500 lm::Land Simard 2014 AM 10%:11% 1/wk 500 lm::Land Hattsen 2014 AM 0.02:: 1/wk 500 lm::Land Hattsen 2014 AM 0.02:: 1/wk 500 lm::Land Hattsen 2014 AM 10%:11% 1/wk 500 lm::Land Hattsen 2014 AM 10%:11% 1/wk 500 lm::Land Hattsen 2014 AM 10%:11% 1/wk 500 lm::Land Hattsen 2014 AM 10%:11% 1/wk 10/lm::Cd Hattsen 2014 AM 10%:11% 1/wk 10/lm::Cd Hattsen 2015 AM 1%:11% 1/wk 10/lm::Cd High_res::Land Rattsen 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 2014 AM 10%:11% 1/wk 10/lm::Cd High_res::Land 2014 AM 2014 AM 2014 AM 2014 AM 2014 AM 2014 AM 2014 AM 2014 AM 2014 AM 2014 AM 2014 AM 2014 AM	MODIS	AM.P.M	Albedo, Spectral, Land sfc	Muller, Strahler,: 3					5% :: 3%	1/day	I km :: Land/R	N/A :: Sfc
Simard 2019 AM 2%:: 1/wk 500 lm::Land Earron 2024 AM 0.02:: 1/wk 500 lm::Land Earron 2013 AM 1%::1% 1/wk 250 m::Land Earron 2014 AM 1.5%::1% 1/wk 250 m::Land Earron 2014 AM 1.0%::10% 1/wk 250 m::Land Earron 2014 AM 1.0%::10% 1/wk 500 m::Land Earron 2014 AM 2.%::3% 1/wk 500 m::Land Earron 2019 AM 2.%::3 1/wk 500 m::Land Earron 2014 AM 0.02:: 1/wk 500 km::Land Earron 2014 AM 1.%::1% 1/wk 500 km::Land Earron 2015 AM 1.%::1% 1/wk 100 km::Land Earron 2015 AM 1.%::1% 1/wk 100 km::Land Earron 2015 AM 1.%::1% 1/wk 100 km::C Earron 2015 2.%::1%						Dickinson	3367	BM			High_res :: Land	
Hansen 2024 AM 0.02;; 1/wk 500 km :: Land Earron 2013 AM 1%::1% 1/wk 10 km :: G Lase,ts 1996 AM :: 3% 1/wk 250 m :: Land R Ker, Sorooshian 2014 AM 10%:: 10% 1/wk 500 m :: Land R AM.P.M Albedo, Total 55W Land sft Mailer, Straker 2004 AM 2%:: 3% 1/wk 500 m :: Land R Simard 2019 AM 2%:: 3% 1/wk 500 km :: Land R Hansen 2024 AM 0.02:: 1/wk 500 km :: Land R Hansen 2024 AM 1%:: 1% 1/wk 500 km :: Land R Hansen 2013 AM 1%:: 1% 1/wk 10 km :: G						Simerd	8102	Ą	2%::		:: Canada/R	N/A:: Sfc
Barron 2013 AM 1%:1% 1/wk 10km::G Isacks 1996 AM ::3% 1/wk 250 m::Land/R Ker, Soroothian 2014 AM 10%::10% 1/wk 550 m::Land/R AM.P.M. Albedo, Total [SW], Land_sft Mailer, Straker]: 3666° Simard 2019 AM 2%::3% 1/wk 500 m::Land/R Simard 2019 AM 2%::9 1/wk 500 km::Land/R Hansen 2024 AM 0.02:: 1/wk 500 km::Land/R Barron 2013 AM 1%::1% 1/wk 10km::G						Hansen	2024	Æ	:: 20:0	1/vk	500 km :: Land	:: Stc
Sactor 1996 AM ::3% 1/wk 250 m::Land/R						Berron	2013	WV	1%::1%	1/vk	10 len :: G	N/A:: Sfc
AM.P.M. Albedo, Total [SW], Land. sft. Muller, Strabler; 3666* Simerd 2014 A.M. 10% :: 10% 1/hk 500 m:: Land.R Indep 1 lidery 1 lidery 1 line: Land.R Indep 1 lidery 1 line: Land.R Indep 1 lidery 1 line: Land.R Indep 1 lidery 1						Leacks	1998	AM	:: 3%	1/wk	250 m :: Land/R	N/A :: Sfc
AM.P.M. Albedo, Total [SW], Land sft Muller, Strakler; 3 566* Simerd 2019 A.M. 2%:: 1/day 1 hm:: Land/R Image: Consider R Hansen 2024 A.M. 0.02:: 1/wk 500 km:: Land Image: Land R 100 km:: Consider R 100 km:: Consider R						Kerr, Sorooshisn	2014	WV	10% :: 10%	1/wk	500 m :: Land	N/A :: Sfc
Simard 2019 AM 2%:: :: Canada/R Hansen 2024 AM 0.02:: 1/wk 500 km :: Land Barron 2013 AM 1%:: 1% 1/wk 10 km :: G	NODIS	MAMA	Albedo, Total 15WJ. Land 1ft	Muller, Strahler,: 3	3666				5% :: 3%	1/day	I km :: Land/R	N/A :: Sfe
2024 AM 0.02 :: 1/wk 500 km :: Land 2013 AM 1% :: 1% 1/wk 10 km :: G			1			Simard	5019	AM	2%::		:: Canada/R	N/A :: Sfc
2013 AM 1%-:1% 1/wk 10-km::G						Hansen	2024	WV	0.02 ::	1/wk	500 km :: Land	:: Sfc
						Barron	2013	WV	1%::1%	1/wk	10 km :: G	N/A :: Sfc

Appendix M: IDS Input Requirements and Match Products by Instrument

Instrument Platfor MODIS AM.P.M MODIS AM.P.M MODIS AM.P.M	Instrument Platforms Product Name TM MODIS AM.PM Albedo, Total (SW), Land_sfc Muller, S MODIS AM.PM Albedo, Total (SW), TOA Muller, S	Data Product TM Prod#		IDS Input Regirements	ints	Accuracy	Temporal	Horizontal	Vertical
MODIS AMP	M Albedo, Total (SW), Land_yfc M Albedo, Total (SW), TOA	I.M. ITOG#						_	
		16.17 District	Investigator	Tod # Mai	1 ye	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
		Muller, Stranler, . 3000"	ı	_	Ę.	:: 3%	1/wk	250 m :: Land/R	N/A:: Sfc
			Kerr, Sorooshian	2014	₹	10%:: 10%	1/wk	S00 m :: Land	N/A:: Sfc
		Muller, Strahler, : 3667°				5% :: 3%	1/day	I km :: Land/R	NIA :: TOA
			Вагтоп	2023	MA M	3::	1/day	100 km :: Q	N/A :: TOA
	١		Dickinson	3365	BM			<0.5-1 dog :: G	
	"M Land of Reflectance, Bidirectional (BRDF) Muller, Strahler,: 3669*	RDF) Muller, Strahler, : 3669*				3% :: 3%	Hday	I ton :: LandIR	NIA :: Sfc
			Wielicki		BM	5%:: 2%	1/day [d]	0.2-2km :: R	N/A :: Sfc, Atmos
					Ψ¥				
				_	¥	10% :: 10%	1/scns	N/A :: Land	N/A :: Sfc
			i i	_	₹	10%:: 10%	l/seas	N/A :: Land	N/A :: Sfc
					ΨV	TO THE MANAGEMENT		<0.5-1 deg :: Land	
			\dashv	4	₹			<0.5-1 deg :: Land	
				_	¥			<0.5-1 deg :: G	
			Sellers	ğ	Ψγ			250-500 m :: Land	
	M Land ste Roughness	Muller, Tanre 3670*				5% :: 3%	l/day	I km :: Land/R	NIA :: Sfe
			Kerr, Sorooshian	_	BM	0.1 m :: 0.2 m	1/scas	25 km :: Land	N/A :: Sfc
			Leu	1551	BM	10% :: 10%	1/wk	10 km :: Land/R	N/A :: Sfc
			Вагтоп	1545	BM	10% :: 0.1	1/mission, 1/yr	10 km :: Land/R	N/A:: Sfc
			Barron	1547	BM	10% :: 0.1	1/mission, 1/yr	100 km :: Land	N/A :: Sfc
			Kerr, Sorooshian	1552	BM	0.1 ст :: 0.2 ст	2/то	25 km :: Land	N/A:: Sfc
			Dickinson	3404	VΜ			Med-low_res :: Land	
MODIS AM,PM	M Organic Matter Conc, Dissolved	Parsion et al 2582				150% :: 30%	Ilday, Ilwk, Ilmo	20 km :: Ocean (Southern)	NIA :: TOO
			Harris		BM	100% :: 30%	1/day	1-20 km :: Ocean/R	
	١		Brewer	2561	νw	100% :: 10%	1/day, 1/seas	20 km :: Ocean	N/A :: T00
MODIS AMPM	M Organic Matter Conc, Dissolved	Parsiow et al 2583				150% :: 30%	Ilday, Ilwk, Ilmo	I km :: Ocean [Southern]RL	NIA :: T00
			Abbott	25.79	BM	50% :: 20%	1/(1-2 day)	1-4 km :: Ocean [Southern]	N/A:: T00
			Harris	3457	BM	100% :: 30%	1/day	1-20 km :: Ocean/R	
MODIS AMPM	M Vegetation Index, Leaf Area, (LAI)	Running 2680*				0.1-0.25 :: 5-20%	IIday, IIwk	pixel size :: Land G.R.L.	NIA :: NIA
			+	3499	BM	10% :: 1%	1 wit	1 km :: Canada/R	N/A:: Sfc
				3406	BM			Low_res :: Land	
			1	629	BM	10%:: 1%	[muhiple]	(multiple) :: 6 sites/L	N/A :: Sfc
			7	2673	BM	0.5 :: 0.2	1/day	100 km :: Land	N/A:: Sfc
			7	2674	₩.	0.5::0.2	1/day	10 km :: Land/R	N/A:: Sfc
			\dagger	2675	BM	0.5 :: 0.2	1/day	30 m :: LandAL	N/A :: Sfc
			200	9/97	E P		l/mo	60 m :: Land	N/A :: Sfc
			Schime	8/97	E E	10%:: 1%	l/wk, l/mo	30 m :: 6 sites/L	N/A :: Sfc
MODIS AM PM	W Vesstation Productivity Primary	D	2	1/87	BM BM	10% :: 10%	1/scas	I km :: Land/R	N/A :: Sfc
						# OC-C :: OOT	Time, Time, Tiyr	I CM :: LANGIC,K	NIA :: NIA
214 717	١		Schimel	2692	ME I	20% :: 5%	1/31	500 m :: 6 sites/L	N/A :: Sfc
	M Lewi-15 Kadance, MUDIS CHIM	Selomonomo 2558		2000	1	S%(IR):: RMS <nedl< td=""><td>1/day</td><td>0.5 km :: G</td><td>NIA :: NIA</td></nedl<>	1/day	0.5 km :: G	NIA :: NIA
			+	6967	BM				
			1	3310		0.05% ::		1 km :: R	N/A :: Atmos
				2390		WS&LW.IK :: SW2%LW.I	2/day [d,n]	0.25-1 km :: R	N/A :: Atmos
			Schoeberl	2413	BM	5%:: 2%	1/day	Ð::	:: Stret
MODIS AM.PM	M Level-1B Radiance, MODIS<3 wm	Salomonson 2339	:			S%(Ix) :: RMS <nedl< td=""><td>l/day</td><td>I km :: G</td><td>NIA :: NIA</td></nedl<>	l/day	I km :: G	NIA :: NIA
			\dagger	2389	E E				
			+	3310		0.05% ::		1 km :: R	N/A :: Atmos
			WICHCKI	0667	W W	W3%LW.IK :: SW2%LW.I	[day [d.n]	0.25-1 km:: R	N/A :: Atmos

Appendix M: IDS Input Requirements and Match Products by Instrument

Proof # Investigator Proof # Match Type			Instrument Output Data Product	ta Product	_	IDS Input Regirements	ut Keqir.	ements	Accuracy	Temporal	Horizontal	Vertical
MAPM Long Reduces, MODIS June Submersion 2379 School 2419 RM Sign Sign Sign RM Sign	Instrument	Platforms	Product Name	TM	Prod#	Investigator	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
MAT Level D Andrewer, MODIDS level Selementor 1302 S	MODIS	MAMA	Level-1B Radiance, MODIS Sum	Salomonson	2339	Schoeberl	2413	ВМ	5%:: 2%	1/day	::0	:: Strat
Selection 2019 BM Warg-Mint 1849	MODIS	MAMA	Level-1B Radiance, MODIS>3um	Salomonson	2340				1%(1x):: RMS <nedl< td=""><td>I/day</td><td>I km :: G</td><td>NIA :: NIA</td></nedl<>	I/day	I km :: G	NIA :: NIA
Section Sect						Sollers	2389	BM				
Which Lact Raddmoct, MODIS-Jam Safementer 239						Srokosz	3310		0.05% ::		15a:R	N/A :: Atmos
MATIN Line(1) Raddace, MODE Jam Salementor 1302 Selecti 229 BM Selecti 1189 Selecti 1319 Selecti						Wielichi	2390		W5%LW.1K :: SW2%LW.1		025-1 km :: R	N/A :: Atmos
MAP Line 18 Raddwort, MODIS Claim Salamanous 1302 Selaca 1310 BM Selaca 11457 Selaca 1310 BM Selaca 1310 Selaca 1310 BM Selaca 1310 Selaca 1310 Selaca Selaca Selaca 1310 BM Selaca Selac						Schoeberl	2374	Vγ	1%(-1K)::05%	1/day	100 km :: G	1.5 km :: Strat
Soliton Soli	SIGOM	MAMA	Level-1B Radiance, MODIS<3um	Salomonson	2392				S%(1x) :: RMS <nedl< td=""><td>I/day</td><td>0.25 km :: G</td><td>NIA :: NIA</td></nedl<>	I/day	0.25 km :: G	NIA :: NIA
Walkelin Solvetor 700 BM WAS 4, WAIR SWYS, L. M. I. 1 Lings MAJ M. Some Core Solvetor 213 BM \$54,817.8.1						Sellers	2389	BM				
MAPA Store Core Salomentes 1920 Store Market						Srokosz	3310		.: %5000	1/day	1 km :: R	N/A :: Atmos
Additional March					-	Wielicki	2390		W5%LW.IK :: SW2%LW.I	2/day [d,n]	0.25-1 km :: R	N/A :: Atmos
MAPA Save Core Salowoton 1700 Bleen Sacionoton				-	Schoeberl	2413	BM	5%:: 2%	1/day	Ð	:: Strat	
Berne 2007 BM 5% ::5% 14by	MODIS	MAMA	Snow Cover	Salomonson	3020				<=5% :: <=5%	11day, 11mk	10 km :: Land	NIA :: Sfe
Base 2007 BM Coffs: Coff [160y, 1]ck Dickinson 2014 BM 10% :: 3 1/40y Whickief 2016 BM 10% :: 3 1/40y Whickief 2016 BM 10% :: 3 1/40y Whickief 2016 BM 10% :: 3 1/40y Whickief 2016 BM 10% :: 3 1/40y Barca 2013 BM 25 :: 3 1/40y Barca 2013 BM 25 :: 3 1/40y Barca 2013 BM 25 :: 3 1/40y Barca 2013 BM 25 :: 3 1/40y Whickief 2016 BM 25 :: 3 1/40y Barca 2016 BM 25 :: 3 1/40y Whickief 2016 2016 2016 1/4 :: 2016 1/4 :: 2016 Whickief 2016 2016 2016 1/4 :: 2016 1/4 :: 2016 Whickief 2016 2016 2016 1/4 :: 2016 1/4 :: 2016 Whickief 2016 2016 2016 1/4 :: 2016 1/4 :: 2016 Whickief 2016 2016 2016 1/4 :: 2016 1/4 :: 2016 Whickief 2016 2016 2016 1/4 :: 2016 1/4 :: 2016 1/4 :: 2016 Whickief 2016 2016 2016 2016 1/4 :: 2016 2016 1/4 :: 2016 1/4 :: 2016 1/4 :: 2016 1/4 :: 2016 1/4 :: 2016 1/4 :: 2016 1/4 :: 2016 1/4 :: 2016 1/4 :: 2016 1/4 :: 2016						Barron	3005	BM	5%:: 5%	1/day	10 km :: Land/R	N/A :: Sfc
Dickitation 2015 BM 100m; 107 day) 104 miles 100 mil						Batos	3007	BM	<=5%::<=5%	1/day, 1/wk	10 km :: Land	N/A :: Sfc
Murakeni 2014 BM 106 :: 1 107 499 108 10						Dickinson	3415	BM			Low_res :: Land	
Sined 2026 BM 105m:: 107 day) Well Bunner 105m:: 107 day) Well Bunner 105m:: 107 day) Well Bunner 105m:: 107 day) Well Bunner 105m:: 107 day) Well Bunner 105m::						Murakami	3014	BM	10% ::		:: Land	N/A :: Sfe
Major Majo						Simend	3026	BM	10km ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
Berroa 300 BM SS-5-5-5- 1/day						Wielicki	3016	BM	10% :: 5%	1/day	SO km :: Land	N/A :: Sfc
History 2009 BM 0.02 :: 1/bk						Barron	3003	BM	5%:: 5%	1/day	100 km :: Land	N/A :: Sfc
Select 2015 BM Sign 1/14 day) 1/14 day) 1/14 day 1						Hansen	3006	BM	0.02 ::	1/wk	S00 km :: Land	:: Sfe
Law 3013 AM Society Society Society Society Society Society Society AM PM Society					-	Sellers	3015	ВМ		1/(1-4 day)	100 km ::	:: Sfe
Bates 3006 AM Color Cover Salomonton 302 Decision 3416 BM Sfs.:245 Ithor						3	3013	ΨV	SO:: 10	1/wk	1 km :: Lend/L	N/A :: Sfc
AM PM State State of the control of the c						Bates	3006	₩V		2/day [d,n]	S0 km :: Land	N/A :: Sfc
Dickinson 3416 BM 558:128 1 Into Into	MODIS	MAMA	Snow Cover	Salomonson	3021				<=5% :: <=5%	11 day, 11 wk	I km :: Land/R	NIA :: Sfc
Lau						Dickinson	3416	ВМ			Med_res :: Land	
Munichani 3014 BM 1078:: 1/hk Munichani 3014 BM 1078:: 1/hk Munichani 3014 BM 1078:: 1/hk Munichani 3014 BM 1078:: 1/hk Munichani 3014 BM 1078:: 1/hk Munichani 3113 BM 256: 256: 1/hk Munichani 3113 BM 100m 100m 100m 100m 100m 100m 100m 100						Isacks	3010	BM	5%:: 2%	1/mo	1 km :: Land/R	N/A :: Sfc
Murakani 3014 BM 10%:: 1/4kt 1/4						3	3013	BM	SO:: 10	1/wk	1 km :: Lend/L	N/A :: Sfc
Hausea 3009 AM 0.02:: 1/Pk Solitor 1/M Solitor						Murakami	3014	BM	10% ::		:: Land	N/A :: Sfc
Scales S						Hansen	3006	Ψ¥	0.02 ::	1/wk	500 km :: Land	:: Sfe
AM PM Sea Ice Max Extent Solomonous 3153 Barron 3163 BM 5%::5% 1/day 1/day Barron 3161 BM 5%::5% 1/day 1/day 1/day 1/day Sinaed 3190 BM 10/da; 1001 dg 1/day 1/day 1/day 1/day Sinaed 3162 BM 3162 BM 1/day 1/day 1/day Sinaed 3163 BM 5%::5% 1/day 1/day 1/day Sinaed 3167 BM 5%::5% 1/day 1/day 1/day AMP M Sea Ice Max Extent Salomonson 3154 AM 106::005 1/day 1/day AMP M Sea Ice Max Extent Salomonson 3154 AM 10.dg::001 dg 1/day 1/day AMP M Cloud Cover 3154 AM 0.1 dg::001 dg 1/day						Sellers	3015	W		1/(1-4 day)	100 ten ::	:: Ste
Barron 3168 BM 5%::5% 1/day	NODIS	MAWA	Sea Ice Max Extent	Salomonson	3153				%S=>::%S=>	Ilday, Ilwk, Ilmo	10 km :: Ocean/Cryo	N/A :: Sfe
Signard 3161 BM 556;556 1/day)						Barron	3168	ВМ	5%:: 5%	1/day	10 km :: Ocean/Cryo	N/A :: Sfc
Sinard 3190 BM 10fcm/1076:: 1/(7 day) Scokosz 3158 BM 0.1 dg :: 0.01 dg 1/day Abbott 3156 BM 0.1 dg :: 0.01 dg 1/day Sinard 3162 BM 25km :: 1/(7 day) Sinard 3167 BM 0.06 :: 0.05 1/(3 day) Sinard 3157 BM 0.04 :: 0.05 1/(3 day) Stable Salomonton 3154 AM 0.1 dg :: 0.01 dg 1/(3 day) Sinard 3151 AM 0.1 dg :: 0.01 dg 1/(3 day) Stable Salomonton 3154 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 25km :: 1/(3 day) Sinard 3151 AM 35km AM 3151 Sinard 3151 AM 3151 AM 3151 Sinard 3151 AM 3151 AM 3151 AM 3151 Sinard 3151 AM 3151 AM 3151 AM 3151 AM 3151 AM 3151 AM 3151 AM 3151 AM 3151 AM 3151						Barron	3161	BM	5%:: 5%	1/day	10 km :: Осеал/Сгуо	N/A :: Sfc
Scokost 3156 BM 0.01 dg :: 0.01 dg 1/day Abbott 3156 BM 25km :: 1/(7 day) Simard 3162 BM 25km :: 1/(7 day) Barros 3160 BM 55k :: 55k 1/(3 day) Simard 3157 BM 0.05 :: 0.05 1/(3 day) Simard 3157 BM 0.05 :: 0.05 1/(3 day) Simard 3157 BM 0.05 :: 0.05 1/(3 day) Simard 3157 BM 0.05 :: 0.05 1/(3 day) Simard 3158 AM 0.1 dg :: 0.01 dg 1/(4 day) AMPM Sea Ice Max Extern Salomonton 3154 AM 0.1 dg :: 0.01 dg 1/(4 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 25k :: 55k 1/(1 day) Simard 3151 AM 35k :: 55k 1/(1 day) Simard 3151 AM 35k :: 55k 1/(1 day) Simard 3151 AM 35k :: 55k 1/(1 day) Simard 3151 AM 35k :: 55k 1/(1 day) Simard 3151 AM 35k :: 55k 1/(1 day) Simard 3151 AM 35k :: 55k 1/(1 day) Simard 3151 AM 35k :: 55k 1/(1 day) Simard 3151 AM 35k :: 55k 1/(1 day) Simard 3151 AM 35k :: 55k 1/(1 day) Simard 3151 AM 3151						Simand	3190	BM	10km/10% ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
Abbott 3156 BM 25km:: 1/(7 day)						Srokosz	3158	BM	0.1 dg :: 0.01 dg	1/day	N/A:: Ocean/Cryo	N/A :: Sfc
Simerd 3162 BM 25km:: 1/(7 day)					_	Abbott	3156	BM		1/day	25 km :: Ocean/Cryo	N/A :: Sfc
No. No.						Simend	3162	BM	25km ::	1/(7 day)	25 km :: Cenada/R	N/A :: Sfc
Rothrock 3169 BM 0.05 :: 0.05 1/(3 day) Sinard 3157 BM 25km :: 1/(7 day) Baca 3148 AM 10% :: 10% 2/day [d.n] Baca 3148 AM 0.05 :: 0.05 1/(3 day) Scokes 3158 AM 0.1 dg :: 0.01 dg 1/day 1/day AMPM Cloud Cover Salomonson? 364 Miskin 10% :: 5% 1/mo (day & night) AMPM Cloud Cover Salomonson? 364 Miskin 10% :: 5% 1/mo (day & night) Distingen 3143 BM BM 10% :: 5% 1/mo (day & night) Distingen 3143 BM BM BM BM BM Distingen 3143 BM BM BM BM Distingen 3143 BM BM BM Distingen 3143 BM BM Distingen 3143 BM BM BM Distingen 3143 BM BM BM Distingen 3143 BM BM BM Distingen 3143 BM BM Distingen 3143 BM BM Distingen 3143 BM BM Distingen 3144 BM BM Distingen 3145 BM BM Distingen 3145 BM						Barron	3160	BM	5%::5%	1/day	100 km :: Ocean/Cryo	N/A :: Sfc
Simard 3157 BM 25km :: 1k7 day)						Rothrock	3189	BM	0.05 :: 0.05	1/(3 day)	25 km :: Ocean/Cryo	N/A :: Sfc
Baco 3144 AM PM Sea lee Max Extern Salomonson 3154 Scokosz 3148 AM 10% :: 10% 2/day [d.n]						Simerd	3157	ВМ	25km ::	1/(7 day)	25 km :: Canada/R	N/A :: Sfc
AM.PM Sea Ice Max Extent Salomonton 3154 Scoloes 3158 AAM 0.1 dg.: 0.01 dg 1/day 1/lday AM.PM Cloud Cover 5alomonton? 3641 AAM 25km:: 5% 1/lday 1/lday AM.PM Cloud Cover 5alomonton? 3641 AAM 1/0%:: 5% 1/mo (day & night) Distrince 3143 BAM 1/0%:: 5% 1/mo (day & night)						Bates	3148	WΥ	10% :: 10%	2/day [d,n]	50 km :: Ocean/Cryo	N/A :: Sfc
Scokosz 3158 AM 0.1 dg :: 0.01 dg 1/day	MODIS	AM.P.M	Sea Ice Max Extent	Salomonson	3154				<=5%::<=5%	Ilday, Ilwk, Ilmo	I km :: OceawCryo.R	N/A :: Sfc
AM.P.M. Cloud Cover Salomonson? 3641 Distingen 3143 RM (10%.:5% 1/mo (day & night) Distingen 3141 RM (10%.:5% 1/mo (day & night) RM						Srokosz	3158	VΜ	0.1 dg :: 0.01 dg	1/day	N/A :: Ocean/Cryo	N/A :: Sfc
Barron 3161 AM 5%.:5% 1/day Sinard 3157 AM 25km:: 1/(7 day) AM.P.M. Cloud Cover Salomonson? 3641 Distingen 3143 RM 10%.:5% 1/mo (day & night)						Abbott	3156	WV		1/day	25 km :: Ocean/Cryo	N/A :: Sfc
Simurd 3157 AM 25km :: 1/f7 day) AM.P.M. Cloud Cover Salomonson? 3641 Dickinson 1343 RM 10% :: 5% 11mo (day & night)						Вастов	3161	VΜ	5%::5%	1/day	10 km :: Ocean/Cryo	N/A :: Sfc
AM.P.M. Cloud Cover Salomonson? 3641 Distingen 3343 RM 10%::5% 1/mo (day & night)						Simard	3157	WΥ	25km ::	I/O day)	25 km :: Canada/R	N/A :: Sfc
NA LTE	SIGOM	MAMA	Cloud Cover	Salomonson?	3641				%5::%01	11mo (day & night)	0.25 km :: G	NIA :: Cloud
						Dickinson	3343	BM			High_res :: G	

Appendix M: 1DS Input Requirements and Match Products by Instrument

•			1	-4		CH PLANE	The Indian	Te indicat	T 111071 1011	Verucal
E	Instrument Pratiorms Product Name	TM	•	Investigator Prod # Match Type	# Po	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover,
7	Land Cover Type	Strabler, Huste et 2669	ा ३				10% :: 5%	Ilmo, Ilseas	I km :: Land	NIA :: SJE
					27.32	BM		1/seas	1 km :: Land/R	N/A :: Sfe
				Moore	2721	ВМ	15% :: 15%	1/31	1 km :: Land	:: Sfe
			<u> </u>		2736	BM	15%:: 15%	1/3	1 km :: Lend	:: Sfe
				Dickinson	3401	BM			Med-low res :: Land	
					2719	ВМ		1/sces	1 km :: Land/R	N/A :: Sfc
			ž	Kerr, Sorooshisa	2630	ВМ	5%:: 5%	1/scas	:: Land/R	N/A :: Sfc
			1		3408	BM			Low_res :: Land	
					2800	ΑM	15%:: 15%	\$	1 km :: Land	:: Sfe
			l		91.12	Ą	57::57	<u>*</u>	10 km :: Land/R	N/A :: Sfc
					2764	Ą	5% ::	1%t	S00 bm :: Land	:: Sfc
				Lau	3061	-WV	::001	1/wk	1 km :: Land/R	N/A :: Sfc
				Ваттоп	27.73	Ψ¥	57::57	<u>\$</u> 1	10 km :: Land/R	N/A :: Sfc
				Dickinson	3405	ΨV			<0.5-1 deg :: Land	
~	Land Cover Type	Strahler, Huete et 2670	029			_	10% :: 5%	Ilmo, Ilseas	5 km :: Land	N/A :: SÆ
				Dickinson	3405	BM			<0.5-1 deg :: Lund	
			×	Kerr, Sorooshism	2630	BM	5%:: 5%	1/seas	:: Land/R	N/A :: Sfc
			<u>L</u> .	_	2788	BM	10% ::		:: Cenada/R	N/A :: Sfc
			<u></u>		2720	BM	10%::		:: Canada/R	N/A :: Sfc
				-	9112	BM	57::57	1/4	10 km :: Land/R	N/A :: Sfc
			<u></u>	-	2112	BM	57::57	1/vr	100 km :: Land	N/A :: Sfe
			<u> </u>	-	8172	BM	5%::	1/wk	500 km :: Land	JS:
			Ш	-	2764	BM	5%:	1/wk	500 bm :: Land	:: Sfc
					2798	BM	57::57	<u>\$</u> 1	10 km :: Land/R	N/A:: Sfc
			<u></u>	Н	27.28	ВМ	57::57	1/3	10 km :: Land/R	N/A :: Sfc
			l		2797	ВМ	57::57	1/yr	100 km :: Land	N/A :: Sfc
			1	+	2730	ВМ	57::57	1/yr	100 lcm :: Land	N/A :: Sfc
			_1	+	27.86	ВМ	5::5	1/seas	100 km :: Land	N/A :: Sfc
			_ [\dashv	1231	ВМ	5%:	1/wk	S00 km :: Land	:: Sfc
			1	\dashv	2740	ВМ		1/(1-4 day)	100 km ::	:: Sfc
				\dashv	2785	ВМ	5::5	1/scas	10 km :: Land/R	N/A :: Sfc
ľ		1	+	Dickinson	340 <u>i</u>	AM			Med-low_res :: Land	
~	Land_Cover Type-Change	Strahler, Huete et 2672	<u>.</u>				10% :: 7%	liseas	5 km :: Land	NIA Sfe
ľ			1	Hansen	2658	AM S-	10%::	1/wk	500 km :: Land	:: Sfc
•	PAK, Incident, (IPAK)	Tanre 2268°	<u>:</u>				200 :: 5 - 20%	Ilday, Ilmk	I bra :: G.R	N/A :: Atmos
			1	+	57769	BM	5%:: 1%	1/(1-2 day)	1-4 km :: Ocean [Southern]	N/A :: Sfc
				\dagger	3	BM	10%:: 1%	[multiple]	[multiple] :: 6 sites/L	N/A:: Sfc
				\dagger	R	WS.	10%:: 1%	l day	250-1000 m :: Canada/R	N/A :: Sfc
				+	34.90	BM		l wk	1 km^2 ::	N/A :: Sfc
			Д.	Moore	6252	BM	20%:: 10%	1/day, 1/wk	500 m :: Land/R	
			1.	\dagger	277	WG :	10.4	1/day	500 m :: 6 sites/L	N/A :: Sfc
ľ		7		Harra	i	AM.	3%:: 2%	2/day	20-50 km :: Ocean/R	
•	Aerosos Size-distribution (Kadus-Dispersion, I awee, Kaujman		<u>.</u>		1		10-30% :: 10%	II day, I Imo	05 dg :: G.R	N/A :: Abnos
				\dashv	2423	BM	0.1 :: 0.05	1/day	50 km :: Ocean/R	
				+	1021	BM	10%:: 5%	1/day	200 km :: Q	1 km :: Strat
				_	0201	BM	20%:: 20%	1/day	20 km :: G	N/A:: 0-15 km
			_1	+	1019	ΨĄ	:: 20%	1/(5-16 day)	15.4 km :: O	Column :: Atmos
				Isanks	2		1111			

Appendix M: IDS Input Requirements and Match Products by Instrument

Instrument Platforms Product Name MODIS AM.P.M Land_sfc Roughme MODIS AM.P.M Land_sfc Roughme MODIS AM.P.M Land_sfc Roughme	Aerosol Optical Depth, Spectral Towe, K Land gt. Roughness Towe, M	aufman	•	Investigator Prod # Match Type	tigator Prod # Match 7	h Type	Abs : Bel	Deschitton	Resol :: Cover.	Resol :: Cover.
	Aerosol Optical Depth, Spectral Land_yt. Roughness			1	The same of the sa		AU3 EVE	RESUIDING		
	Land yt Roughness				_		0.05 :: 0.02	II day, IImo	0.5 dg :: Ocean	N/A :: Atmos
	Land_yt Roughmess			Sellers	2288 E	BM	::			
	Land_yt Roughmess			Sellers		BM				
	Land_yt Roughmess			Harris	3444 E	BM	10%,0.05 :: 5%,0.02	2/day-1/day	20-50 km :: Ocean/R	
	Land_yt Roughmess			Murakami		ΑM	\$-10 % ::		D::	N/A :: Atmos
	Land_yt Roughmess			Hanson		AM-	tau=0.02 ::	1/wk	500 ten :: G	:: Trop
	Land of Roughmess			Wielicki		VW	0.10 :: 0.10	1/day	1.25 dg :: G	N/A :: Atmos
	Land_yt Roughmess			Hanson		AM	tau=0.02 ::	1/wk	500 km :: G	:: Strat
	Land_yt Roughness		لـــا	Hartmann		AM	tmu=0.02 ::	1/day	20 km :: G	3 km :: 0-15 km
	Land aft Roughness		L	Pyle	1003	AM		2/day	D::	:: Strat
		Tawe, Muller 1	1556				15% :: 5 - 8%	Ilday, Ilwk	I km :: G.R	NIA :: Sfc
				Dickinson	3331 F	BM			High res :: Land	
			<u> </u>	Kerr, Sorooshim	1552 I	EM.	0.1 cm :: 0.2 cm	2/то	25 km :: Land	N/A :: Sfc
			<u> —</u>	1	L	¥	10% :: 10%	1/wk	10 km :: Land/R	N/A :: Sfc
			<u>. </u>	Mouginis-Mark	3287	BM	3-24 cm ::	1/yr	30 m :: Land/L	N/A :: Sfc
				╙	3404	¥			Med-low_res :: Land	
	Land aft Roughness	Towe, Mulla	1557				15% :: 5 - 8%	11day, 11mk	10 km :: G.R	NIA :: Sfc
	İ		!	Barros	1545	BM	10% :: 0.1	1/mission, 1/yr	10 km :: Land/R	N/A :: Sfc
			L	Dickinson	3332	BM			Low_res :: Land	
			l	H	3404	BM			Med-low_res :: Land	
				nar]	1551	ВМ	10% :: 10%	1/wk	10 km :: Land/R	N/A :: Sfc
			_	Kerr, Sorooshian		ВМ	0.1 m :: 0.2 m	1/scms	25 km :: Land	N/A :: Sfc
						ВМ	10% :: 0.1	1/mission, 1/yr	100 km :: Land	N/A :: Sfc
				Kerr, Sorooshian	1552	ВМ	0.1 cm :: 0.2 cm	2/mo	25 km :: Land	N/A :: Sfc
	Albedo, Land_sfc	Tawe, Muller 2	2015				15% :: 5 - 8%	11day. 11 wk	I bm :: G.R	N/A :: Sfc
				-		BM			High res :: Land	
			لــــ	Dickinson		Α¥			<0.5-1 deg :: G	
				Simard	_	Ψ	2%::		:: Cenada/R	N/A :: Sfc
				Hartmann		AM	1%::05%	1/day	20 km :: G	N/A ::
			L	Isacks		ΑM	:: 3%	1/wk	250 m :: Land/R	N/A :: Sfc
				Kerr, Sorooshim	2014 /	AM	10% :: 10%	1/wk	500 m :: Land	N/A :: Sfc
MODIS AMPM	Albedo, Land sfc	Torre, Muller	\$9102	H-			15% :: 5 - 8%	II day, II wk	10 ton :: G.R	N/A :: Sfc
				Ваттов		BM	1%::1%	1/wk	10 km :: G	N/A :: Sfc
			1	Hartmann		BM	1%::0.5%	1/day	20 km :: G	:: N/A ::
				Dickinson	3363	BM			<05-1 deg :: G	
			لب	Simend		¥	2%::		:: Camada/R	N/A :: Sfc
	Table 1			Bates	1995	₩		1/day	50 km :: Land	N/A :: Sfc
MODIS AM.P.M	Land aft Reflectance, Bi-directional, (BRDF, Towe, Muller		2424				15% :: 5 - 8%	1/day, 1/wk	I Ibm :: G.R	N/A :: S/E
				Cibler		BM	0.05 :: 0.001	1 day	250-1000 m :: Canada/R	N/A :: Sfc
				_		VW	10% :: 10%	1/seas	N/A :: Land	N/A :: Sfc
				ш		AM	10% :: 10%	1/seas	N/A :: Land	N/A :: Sfc
				Sellers		ν			250-500 m :: Land	
MODIS AM.P.M	Land aft Reflectance, Bi-directional, (BRDF, Tame, Muller		2425				15% :: 5 - 8%	1/day, 1/wk	10 lbm :: G.R	a∕s :: v/N
				Brower		BM	3%::1%	1/day, 1/seas	1.7 km :: Ocean	N/A :: Sfc
				Dickinson	_	BM			<0.5-1 deg :: Land	
				Dickinson	_	BM			<0.5-1 deg :: Land	
			1	Dickinson	_	BM			- 40.5-1 deg∷G	
				Sellers	2034	AM				

Appendix M: IDS Input Requirements and Match Products by Instrument

17pe Abs :: Rei Resolution Resol :: Cover.			Instrument Outpu	out Data Product		IDS Input Regirements	it Kedii	ements	Accuracy	Temporal	Horizontal	Vertical
MAJ Long & Politicon Delivery Maj Long & Politicon Delivery Maj Long & Politicon Long Maj Long & Politicon Long Maj Long & Politicon Long	strument	Platforms	Product Name	TM	Prod #	Investigator	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
MAY Land France France May Land May Land	sigo	AM P.H	Land_sfc Reflectance, Bi-directions	rd, (BRDF, Towe, Muller		Brewer	2427	WV	3%:: 1%	1/day, 1/seas	22 km :: Ocern/L	N/A:: Sfc
MAY Land						Kerr, Sorooshisa	2042	ΑM	10% :: 10%	1/sess	N/A :: Land	N/A :: Sfc
MATA Mat Friend Mat						Kerr, Sorooshien	2046	VΨ	10% :: 10%	1/seas	N/A :: Land	N/A :: Sfc
March Marc	sigo	AM.P.M	Land ift Temperature	Wan	2484				10::10	11day, 11wt	I km :: Land/R	N/A :: SÆ
No. 1986 1980 10 C C C 10 C C C C C C C C C C C C C C C C C C						Dickinson	3391	BM			Med_res :: Land	
Richard 1975 BM O.S. S. S. D. M. 1 day 1 d						Mouginis-Mark	3290	BM	10 C ::	[near-real time?]	1 km :: G	N/A :: Sfc
Cripk BM O.K.S.10 K 1-by SO-DIUGN					•	Richey, Batista	2476	ВМ		1/day	:: Lend/R	N/A :: Sfc
Money 255 BM 0.5 K:0.5 K 2006 120 10						Cibler	3503	BM	0.5 K :: 1.0 K	1 day	250-1000 m :: Canada/R	N/A :: Sfc
No. Part P						Moore	2535	BM				:: Sfc
Heart 250 BM High 10 649 13 10 649 15 10 649 16 649 1						Kerr, Sorooshian	2456	ВМ	0.5 K :: 0.5 K	2/day [d,n]	500 m :: Land/R	:: Sfc
Solitor 250						Len	2502	BM	1 K :: 1 K	1/(3 day)	1 km :: Land/R	N/A :: Sfc
Sales 2478 BM 13 = 1 John 1 1 John 1 1 John 1 1 John 1 1 John 1 1 John 1 1 John 1 1 John						Harris	34.50	BM.	0.5 :: 0.2	2/day	20-50 km :: Ocean/R	
Simple 250 BM 13:10.10 1944 110:10.00000000000000000000000000000000						Sellers	2478	BM	::		S00m ::	
Major Lond of Emister) State S						Isacks	24%	BM	1-3::1	1/wk	1 km :: Land/R	N/A :: Sfc
No. No.						Simand	3312	BM	13::107	2/day	1 km :: R/Canada	N/A :: Sfc
Mail						Dozier	2500	WY	1 K :: 0.3 K	1/wk	500 m :: Snow AL	
Schind 1523 AM 15-0.5 10 10 10 10 10 10 10 1						Kerr, Sorooshian	1631	Ą	1K::1K	2/day [d.n]	500 m :: Land/R	N/A :: Sfc
National National						Schimel	1632	AM-	10% :: 1%	[muhiple]	[multiple] :: 6 sites/L	N/A :: Sfc
AMFM Load of Temperators Water Manual 2472 AMF 1:0.53 1(day) 30 m : Lead M AMFM Load of Temperators Water Manual 2473 BM 1:0.53 1(day) 10 m : Lead M AMFM Load of Temperators Water Manual 2473 BM 0.5:0.2 1(day) 10 m : Lead M Rehap States 2473 BM 0.5:0.2 1(day) 10 m : Lead M 10 m : Lead M Bernal 2473 BM 0.5:0.2 1(day) 10 m : Lead M 10 m : Lead M AMFM Load of Emission Water M 0.5:0.2 1(day) 10 m : Lead M AMFM Load of Emission Water M 1.0:0.5 10 m : Lead M 10 m : Lead M AMFM Load of Emission Water M 1.0:0.5 1.0:0.5 10 m : Lead M AMFM Load of Emission Water M 1.0:0.5 1.0:0.5 1.0:0.5 AMFM Load of Emission Water M 1.0:0.5 1.0:0.5 1.0:0.5 AMFM Load of Emission						Barron	2474	AM	1::05	1/day	100 km :: G	N/A :: Sfc
AMPM Land_of Temperature Wast 2453 BM 13 C 1 C Hody Inch Index 10 thus: Land R AMPM Land_of Temperature Barron 2979 BM 1 1 c 0.5 1 kdy 1 kd						Barron	2472	νW	1::05	1/day	30 m :: Land/L	N/A :: Sfc
Dickinson	SIGC	MW PM	Land_sfc Temperature	Wan	2485				13C::1C	11day, 11wk	10 km :: Land	N/A :: Sfc
Publishing Pub						Barron	2473	BM	1::05	1/day	10 km :: Lend/R	N/A :: Sfc
Richop, Balton						Dickinson	3391	BM			Med_res :: Land	
Herris 340 BM 0.5::0.2 John 20-20/IR						Richey, Batista	2476	BW.		1/day	:: Lend/R	N/A :: Sfc
Decinion 3394						Herris	34.50	MA .	0.5 :: 0.2	2/day	20-50 km :: Ocean/R	
Decision 1994 BM 1:05 1/44 0.05 0.05 1/44 0.05 0.05 1/44 0.05						nounce Co. 1.	S S	BM	: ¥ -	I/WK	10 km :: Land/Cryo	N/A :: Sfc
Marie Mari					•	Dickingon	3368	BM			<0.5-1 deg :: Land/Cryo	
Marcia 2477 AM 1.5 : 1.07 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1.00 km : LandCryo 1.04 1						Berne	7,77	Ma	30",		CUS-1 deg :: Land	35 411
Simple 200 1 1 1 1 1 1 1 1 1						Remon	5 5	Ma	CO::1	1/day	D:: E3 (0)	N/A :: Sic
Hanse AM P Lond_st Emistivity Wan 3323* Chilar 2477 AM 0.025 :: 0.02 1.40y 1.25 dg :: Land					•	Simen	33.13	E 2	13::102	1/WE	10 tem :: Landeryo	N/A :: SIC
AM.P.M. Land_2f. Emissivity Word 3323* Chilar 347 AM 1 K:::05 K 4 dday[d.n] 1.55 dgs::Land AM.P.M. Land_2f. Emissivity Word 3324* Chilar 347 AM 0.053::0.023 1 day, 1 wk 1 km::Land/R AM.P.M. Land_2f. Emissivity Word 3324* Chilar 347 AM 0.053::0.02 1 day, 1 wk 1 lbr. 15.00 m::Land/L AM.P.M. Land_2f. Emissivity Word 3324* Bates 2121 BM 0.053::0.02 1 day, 1 wk 1 lbr. 15.00 m::Land/L AM.P.M. CHATotal Burden Drivatinon 1096 Bates 2121 BM 0.053::0.025 2 lday[d.n] 25.0 m::Land AMI CHATotal Burden Drivatinon 1096 AM 0.105::0.02 2 lday[d.n] 170 km::G AMI CO Conc Drivatinon 1096 AM 0.105::0.02 1/day, 1/17 2 lday[d.n] AMI CO Conc Drivatinon 1106 AM 0.105::0.02 1/day[d.n] 2 lday[d.n] <					•	Hansen	747	WA	0.00	1 644	CONT	316 :: A/N
AM.P.M. Land_sft Emistivity Wan 3327* Ciblur 3457 AM 0.05 :: 0.02 1 day, I wt 1 Inn :: LandR AM.P.M. Land_sft Emistivity Wan 3324* AM 0.05 :: 0.02 1 day, I wt 1.55 dg:: Canada/R AM.P.M. Land_sft Emistivity Wan 3324* AM 0.05 :: 0.02 1 day, I wt 15.90 m:: LandA AM.P.M. Land_sft Emistivity Wan 2111 BM 0.05 :: 0.02 1 day, I wt 10 hm:: Polur Dicklistorn 3379 BM 0.025 :: 0.025 1 day, I wt 10 hm:: Polur AM.I. CH4 Total Burden Drummond 1096 Bmces 2112 BM 0.025 :: 0.025 2 day [day] 50 hm:: Land AM.I. CH4 Total Burden Drummond 1096 Hansen 1075 AM 0.10%::: 1% 1/0 day 1.25 dg:: Canada/R AM.I. CO Conc Drummond 1126 AM 0.10%::: 103 1/0 km:: 0 1.00 km:: 0 AM.I. CO Conc Drummond 1126 AM 0.10%::: 10% 1/0 km:: 0 1.00 km:: 0						Wielicki	23	WV	1K:05K	1/wk 4/dav [d.n]	200 km :: Land	N/A :: Sfc
Cibiar 347 AM 0.005::0.025 10 day 1.25 deg::Chanda/R	siac	MAMA	Land sfc Emissivity	Wan	3323*				0.05 :: 0.02	1 day. 1 wk	I km :: Land!R	N/A :: Sfc
AM PM Land 3f Emistrin'y Wan 3124* AM 0.05 :: 0.02 1 day, 1 wt 1570 m:: Land AM PM Land 3f Emistrin'y Wan 3124* Bates 2121 BM 0.05 :: 0.02 1 day, 1 wt 10 bits:: Land 10 bits:: Land 10 bits:: Land 10 bits:: Land 40.5 :: 0.02 1 day, 1 wt 10 bits:: Land 40.5 :: 0.02 1 day, 1 wt 10 bits:: Land 40.5 :: 0.02 1 day 1.25 deg :: Canada/R 40.5 deg :: Canada/R <td></td> <td></td> <td></td> <td></td> <td></td> <td>Cibler</td> <td>2487</td> <td>WY</td> <td>0.025 :: 0.025</td> <td>10 day</td> <td>1.25 deg :: Canada/R</td> <td>N/A :: Sfc</td>						Cibler	2487	WY	0.025 :: 0.025	10 day	1.25 deg :: Canada/R	N/A :: Sfc
AM PM Land 3f Emistriby Wan 3124° Bates 2121 BM 0.05 :: 0.02 1 day, 1 wt 10 bm :: Land Chilar 2121 BM 0.025 :: 0.025 1 day, 1 wt 10 km :: Polar Chilar 347 BM 0.025 :: 0.025 1/4 day 1.25 deg :: Canada/R AM1 CH4 Total Burden Drummond 1/996 Hunsen 2112 BM 0.055 :: 0.025 2/day [d.n] 50 km :: Land AM1 CH4 Total Burden Drummond 1/106 AM 0.10% :: 1% 1/1/12 s) 1/21 1/2 bm :: G AM1 CO Conc Drummond 1/126 AM 0.10% :: 10% 1/1/04 s) 1/1 22 km :: G AM1 CO Conc Drummond 1/126 BM 25%:: 10% 1/day 1/10 km :: G						Isacks	2125	νV		1/4	15-90 m :: Land/L	N/A :: Sfc
Dictinson 3173 BM 1/day 10 km :: Polar	SIC	MAM	Land sfe Emissivity	Wan	3324*				0.05 :: 0.02	I day, I wk	10 km :: Land	N/A :: Sfc
Cibiar 347 BM 0.025 :: 0.025 10 day 1.25 deg :: Lend						Batcs	2121	BM BM		1/day	10 km :: Polar	N/A :: Sfc
Chiar 345 BM 0.025 :: 0.025 10 day 1.25 deg :: Canada(R					•	Dickinson	3373	BM			<0.5-1 deg :: Lend	
AM1 CH4 Total Barden Drummond 1096 Hunsen 2112 BM 0.05 :: 0.025 2/day [d.n] 50 km :: Land AM1 CH4 Total Barden Drummond 1096 Hunsen 1075 AM 0.10% :: 1/% 1/hk 500 km :: Worlands Hansen 1075 AM 0.10% :: 1/hk 500 km :: Worlands 500 km :: Worlands AM1 CO Conc Drummond 1126 BM 2.10% 1/10/4 s) [7] 22 km :: G Moore 1118 BM 2.25% :: 10% 1/day 1/10 km :: G					•	Cibler	7467	BM	0.025 :: 0.025	10 day	1.25 deg :: Canada/R	N/A :: Sfc
AM1 CO Conc Drummond 1706 Hansen 1075 AM 0.10%:: 11% 11(12.s)1721 120.bm.::G Hansen 1075 AM 0.10%:: 1/wk 500.km.:Wedlands Hansen 1076 AM 110%: 1/wk 500.km.:G Dickinson 3325 BM 2.25%::10% 1/day 100.km.:G Cohodrel 1130 BM 15%::10% 1/day 100.km.:G						Bates	2112	BM	0.05 :: 0.025	2/day [d.n]	50 km :: Land	N/A :: Sfc
Hansen 1075 AM 0.10% :: 1/wk 500 km :: Wedlands	THAC	VW1	CH4 Total Burden	Drummond	9601				:: 1%	1/(12 s) [7]	120 km :: G	Column :: Atmos
AMI CO Conc Drummond 1126 AM :: 10% 1/10% 1/17/1 22 km:: G Dickinson 3325 BM :: 10% 1/40% 1/17/1 22 km:: G Moore 1118 BM 225%:: 10% 1/40% 1/100 km:: G						Hansen	202	¥	0.10% ::	1/wk	500 km :: Wetlands	:: Trop
AM1 CO Conc Liverrond 1126 Editing 3325 BM ::10% 1/21 22.km::G			,,,,			Hansen	9 <u>0</u>	¥		1/v.k	500 km :: G	:: Trap
35.25 BM 2558::10% 1/day 100 km::Q	III	W	COCONC	Drummond	1120	7			:: 10%	1/10.4 s) 171	22 km :: G	3-4 km :: 0-15 km
District Control of the Control of t						Moore	2252	W N	364 104		7	•
						Choche	2	E Z	1565	1/day	5:Em	dou! ::

Appendix M: IDS Input Requirements and Match Products by Instrument

Proof Investigator Proof Match			Instrument Output Data Product	Product		IDS Input Regirements	I Regir	ements	Accuracy	Temporal	Horizontal	Vertical
Mil. COTOM Company 115 Part Company 115 Part Company 115 Part Company 115 Part Company 115 Part Company 115 Part Company 115 Part Company 115 Part Company Compa	Instrument	Platforms	Product Name			Investigator	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Mail COTOR Bulleton Demonstration 1111 AM 1345-354 23494 314 4 tan COTOR Bulleton Demonstration 1111 AM 1345-354 23494 314 4 tan COTOR Bulleton Demonstration 1111 AM 1345-354 23494 100 tan COTOR Bulleton 1111 AM 1345-354 13494 100 tan COTOR Bulleton 1111 AM 1345-354 13494 1300 tan COTOR Bulleton 1111 AM 1345-354 13494	MOPITT	IW1	CO Conc	Drummond	1126	Hansen	1117	ВМ	0.10% ::	1/wk	500 km ::	:: Trop
Mail COTO-tical Burkels Demond 1117 Chees 1118 AM 126-156 16-164						Pyle	9111	νw	15%:: 5%	2/day	15 x 4 km :: G	2 km :: Strat
Mail CO Food Brack Mail Mai						Grose	1116	VΨ	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
Horse 111 AM 245-104 14bp 100 m=0	MOPITT	VW1	CO Total Burden	Drummond	1137				:: 10%	11(4 s) [?]	66 km :: G [dy]	Column :: Atmos
NO					1	Moore	1118	Æ	25%:: 10%	1/day	100 km :: G	:: Trop
Mode Mode						Hansen	1117	VW	0.10% ::	1/wk	500 km ::	:: Trop
Minchania 1777 Minchania	SAFIRE	МО	CH4 Conc	Russell	9801				:: 7% (15-55km)	1/18-72 s) [?]	25 x 1-5 dg :: 865-86N	1.5 km :: 10-65 km
Mo 1802 Core Rota 177 School 177 AM 1962-54 1844 1971 AM 1962-54 1844 1971 AM 1962-54 1844 1						Munkeni	1374	BM	20%::			N/A :: TOA
MO MOS Core Ranel 1172 Cores 1181 MA 15%-10% 1187-71/11 13.5.4.8C 1.0						Grose	1074	¥	15%::5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
Mode 1920 Cove Paris School- 175 School- 175 17					-	Pye	1011	¥	10%::5%	2/day	15 x 4 km :: G	3 km :: Strat
MO IROD Cove Ranad 1172 Gene 1184 BM 27% (10% 21 GW) 1184 72 H/1 10 20% (10% 21 GW)						Schoeberl	1078	AM	15% :: 0.05	1/day	2x3dg:: G	1.5 km :: Strat
Mo MBC Core 1164 MA 25% : 10% 248 194	SAFIRE	МО	H202 Comc	Russell	1172				:: 7% (30-35 km)	11(36-72 5) [?]	25 x 2 5-5 dg :: 865-86N	3 km :: 20-50 km
MO Hith Cose Abanel 110 Aba 20% 1006 1104 110 1104 1104 1105 1105 1						Grosse	1166	BM	25% :: 10%	2/day	30 x 10 dg :: G	3 km :: Strat
Mail Mile Mail					•	Pylo	1167	BM	20%:: 10%	2/day	15 x 4 km :: G	3 km :: Stret
MO HBr Cover Raned 119 BM 25% : 10% 11677 10 HBr Cover 1167 10 HBr Cover 1178 10 HBr Cover 1178 10 HBr Cover 1178 10 HBr Cover					•	Schoeberl	1168	ΨV	20% :: .11,.05s	1/wk	8 x 10 dg :: G	2 km :: Strat
Compact 1176 BM 224;:104 1149 150 448;:0 1404 150 448;:0 1404 1404 150 448;:0 1404 1404 150 448;:0 1404	SAFIRE	МО	HBr Conc	Russell	0811	1			:: 10% (25-35 km)	1/36-72 s) [?]	25 x 2 5-5 dg :: 865-86N	3 km :: 15-40 km
Mail						Grose	1176	ВМ	25% :: 10%	1/day	30 x 4 dg :: G	3 km :: Strat
MO HCI Come Figh 1177 BM 2584;12555 pm 1637 21.25.54 gm sectors MO HCI Come Razel 1182 AM 1584;10% 11637 25.25.54 gm sectors MO HCI Come Razel 1182 AM 1584;10% 11637 25.25.54 gm sectors MO HCI Come Razel 1182 AM 1584;10% 11637 25.25.54 gm sectors MO HC Come Razel 1183 AM 1584;20 11637 25.25.54 gm sectors MO HC Come Razel 1180 AM 1584;20 11637 25.25.54 gm sectors MO HC Come Razel 1180 AM 1584;20 11647 25.25.54 gm sectors MO HC Come 1180 AM 1584;20 11649 35.25.54 gm sectors MO HC Come 1180 AM 1584;20 11649 35.25.54 gm sectors MO HC Come Razel 1184 AM 1584;20 <	•					Schoeberl	1178	ВМ	20%::1	1/wk	8 x 10 dg :: G	3 km :: Strat
MO HCI Core Rasself 1187 AM ::5%,123.5 br) 1169.7 p.1[1] 2x.5.25 dr; :68.60 W MO HCI Core Rasself 1181 AM 15%,23.5 br) 1169.7 1169.7 30.4 dg; CO MO HCW Core Rasself 1181 AM 15%,25 br) 1169.7 117.4 dr; CO 1189.7 2x.54.6 dr; CO MO HCW Core Rasself 1191 AM 115%,20 br) 1169.7 21/17 2x.51.5 dr; :68.6 dW MO HCW Core Rasself 1191 AM 115%,20 br) 1169.7 21/17 2x.51.5 dr; :68.6 dW MO HCW Core Rasself 1190 AM 115%,20 br) 1169.7 21/17 2x.51.5 dr; :68.6 dW MO HIGO Love Rasself 1190 AM 115%,20 br) 1169.7 21/17 2x.51.5 dr; :68.6 dW MO HIGO Love Rasself 1190 AM 115%,20 br) 1169.7 21/17 2x.51.5 dr; :68.6 dW MO HIGO Love Rasself 1190 AM 12%,150.0 br)						Рую	1171	BM	25% :: 10%	2/day	15 x 4 km :: G	3 Icm :: Strat
Monigati-brief 3123 AM 158;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	SAFIRE	ОМ	HCI Conc	Russell	1187				:: 5% (25-55 km)	1/(36-72 s) [?]	25 x 2 5-5 dg :: 86S-86N	3 km :: 10-65 km
Chose 1181						Mouginis-Mark	3283	Wγ		1/day	D::	N/A :: Plume_col
Schecker 1181 AM 1184, E.O. 1184 AM 1184, E.O. 1184 AM 1184, E.O. 1184 AI 1184, E.O. 1184 A						Grosse	1182	ΨV	15% :: 10%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
MO HCA Cove Rassell 1197 AM 1158-1364 2140y 15.15.54 qc.86680V MO HC Cove Rassell 1197 AM 2754-1004 1165-721 17 25.15.54 qc.86680V MO HF Cove Rassell 1197 AM 2754-1004 1165-721 17 25.25.54 qc.86680V MO HF Cove Rassell 1197 BM 1258-1005 1189y 30.4 4gc.86680V MO HF Cove Rassell 120 AM 1158-100 1160-721 17 25.25.54 qc.86680V MO HF Cove Rassell 1190 AM 1158-100 1169y 30.4 4gc.86680V MO HOC Cove Rassell 1190 AM 1158-101 1169y 30.104gc.0 MO HOC Cove Rassell 120 AM 125c.002 14dy 15.54gc.8680V MO HOC Cove Rassell 1220 AM 125c.1002 14dy 15.4 km.0 MO HOC Cove Rassell 1225						Schoeberl	<u>z</u>	Ψ¥	15% :: 0.1	1/day	4×5 dg :: G	2 km :: Strat
MO HC/Ocore Razeell 1192 School-bell 1193 AM 274%-12-30 (bm) 1164/22-31/17 2 x 2.25 4g.: 865-860V MO HF/Coxc Razeell 1197 AM 274%-12-30 11/43/2 2 x 2.25 4g.: 865-860V MO HF/Coxc Razeell 1197 BM 124%-12-9 11/43/2 2 x 2.25 4g.: 865-860V MO HF/Coxc Razeell 120 1193 BM 15%-10%- 11/43/2 2 x 2.5 4g.: 865-860V MO HF/O3 Coxc Razeell 120 AM 15%-10%- 11/43/2 2 x 2.5 4g.: 865-860V MO HF/O3 Coxc Razeell 120 AM 15%-10%- 11/43/2 2 x 2.5 4g.: 865-860V MO HF/O3 Coxc Razeell 120 AM 15%-10%- 11/43/2 2 x 3.5 4g.: 865-860V MO HF/O3 Coxc Razeell 120 AM 15%-10%- 11/43/2 2 x 3.4 g.: 865-860V MO HOCI Coxc Razeell 121 AM 25%-10%- 11/43/2						Pyle	1183	νм	15%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
Mail Home	SAFIRE	МО	HCN Conc	Russell	1192				:: 35% (25-30 km)	1/(36-72 5) [?]	25 x 2.5-5 dg :: 865-86N	3 km :: 25-35 km
MO HF Core Razerll 1197 Grower 1199 BM ::15%+(10-06-bm) 11(b5/23-j1/j1) 23.23-54;::865-80V MO HNO3 Cove Razerll 1190 BM 15%+::10% 1(laby) 35.43-56 1 MO HNO3 Cove Razerll 1100 AM 15%+::10% 1(laby) 15.44-tm::0 1 Pyb 1190 AM 15%+::10% 1(laby) 15.44-tm::0 1 15.44-tm::0 1 MO HNO3 Cove Razerll 120 AM 15%-:10% 1(laby) 15.44-tm::0 1 MO HOC Cove Razerll 120 AM 15%-:10% 1/laby 25.44-tm::0 1 MO HOC Cove Razerll 121 AM 15%-:10% 2/laby 15.44-tm::0 1 MO HOC Cove Razerll 1221 BM 25%-:10% 2/laby 15.45-tm::0 1 MO NOC Cove Razerll 1221 AM 25%-:10%						Schoeberl	1190	VΨ	20% :: 0.01	1/wk	8 x 10 dg :: G	3 km :: Strat
Chorse 1193 BM 22% : 10% 1/day 30.x d.g.; O 2 2 2 2 2 2 2 2 2	SAFIRE	ОМ	HF Conc	Russell	1611				:: 15% (40-60 km)	1;1 (s 22-9E)/1	25 x 2.5-5 dg :: 865-86N	3 km :: 40-60 km
Mail						Grose	1193	BM	25% :: 10%	1/day	30 x 4 dg :: G	3 km :: Strat
MO HIO3 Core Razeell 1200 AM 15% : 5% 2,449 15 x 4 km :: O						Schoeberl	1195	BM	15%:: 0.05	1/day	4 x 5 dg :: G	2 Ion :: Strat
MO HIO3 Cove Rassell 1204 AM 15% :5% :50 11(18.72 s) 1/21 25 x 3 dg :: 665.66 N MO HO2 Cove Rassell 120 AM 15% :: 5% 2(day 15x 4 km :: 0 MO HO2 Cove Rassell 1217 Chrose 1129 AM 20x 5:: 10x 2/day 90x 10dg :: 0 MO HO2 Cove Rassell 1217 AM 127% (30-60 km) 11(16.72 s) 1/17 25 x 25 s dg :: 60x 60x 0 MO HOCI Cove Rassell 1212 AM 15% :: 10x 2/day 90x 10dg :: O MO HOCI Cove Rassell 1213 AM 25% :: 10x 2/day 90x 10dg :: O MO N2O Cove Rassell 1221 AM 25% :: 10x 2/day 15 x 15 x 15 x 15 x 15 x 15 x 15 x 15 x						Pyle	1194	ВМ	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
Schooker 1200 AM 15% :: 01 1/day 2.3 dg :: 0	SAFIRE	MO	HNO3 Come	Russell	1204				:: 7% (15-40 km)	121 (5 22-81)11	25 x 1-5 dg :: 865-86N	15 km :: 10-45 km
MO HOZ Cone Russell 1217 Chrose 1199 AM 15%:15% 2(day 15.4 dkm:: O 10.0 dks:: O 10.0 dks:: O 11.0 dk						Schoeberl	1200	W.	15%:: 0.1	1/day	2 x 3 dg :: G	2 km :: Strat
MO HOZ Conc Rassell 1217 Grose 1198 AM 20%::5% 2(day) 30 x 10 dg:: G MO HOZ Conc Rassell 1217 BM :25%:: 10% 2(day) 5x 25.5 dg:: 865-86V MO HOCI Conc Rassell 1223 AM 125%:: 10% 2(day) 15x 4 dm:: G MO HOCI Conc Rassell 1223 AM 25%:: 10% 2(day) 15x 4 dm:: G MO HOCI Conc Rassell 1223 AM 25%:: 10% 2(day) 15x 4 dm:: G MO N2O Conc Rassell 1223 AM 25%:: 10% 2(day) 15x 4 dg:: G MO N2O Conc Rassell 1220 AM 25%:: 10% 2(day) 15x 4 dg:: G MO N2O Conc Rassell 1240 AM 25%:: 10% 2(day) 15x 4 dg:: G MO N2O Conc Rassell 1220 AM 15%: (35% 10 M) 11/day 2x 1 5 dg:: G MO N2O Conc						Pyle	8	W	15%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
MO HOZ Cone Russell 1217 Grose 1212 BM 25% :: 10% 24day 30 x 10 dg :: G MO HOCI Cone Russell 1213 RM 15% :: 10% 24day 30 x 10 dg :: G MO HOCI Cone Russell 1213 AM 25% :: 10% 2/day 15 x 2.5.5 dg :: 865-86N MO N2O Cone Russell 1220 AM 20% :: 10% 2/day 15 x 4 bm :: G MO N2O Cone Russell 1241 AM 20% :: 10% 2/day 15 x 4 bm :: G MO N2O Cone Russell 1241 AM 20% :: 10% 2/day 15 x 4 bm :: G MO N2O Cone Russell 1241 AM 20% :: 10% 2/day 15 x 4 bm :: G MO N2O Cone Russell 1241 AM 25% :: 10% 2/day 25 x 1.5 dg :: 865-86N MO N2O Cone Russell 1231 AM 15% :: 20% 1/day 25 x 1.5 dg :: 865-86N MO						Grose	1198	¥γ	20%::5%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos
Schoeberi 1214 AM 15%::10% 2/day 30 x 10 dg ::0 Pyle 1213 AM 25%::10% 2/day 15 x 4 km ::0 MO HOCI Conc Russell 1223 Chroeberi 1219 AM 25%::10% 2/day 30 x 4 dg ::0 MO NZO Conc Russell 124 AM 15%::10% 2/day 30 x 4 dg ::0 MO NZO Conc Russell 124 AM 15%::10% 2/day 30 x 4 dg ::0 MO NZO Conc Russell 125 AM 15%::10% 2/day 30 x 4 dg ::0 MO NZO Conc Russell 125 AM 15%::15 m 1/day 2x 1-3 dg ::0 MO NZO Conc Russell 125 AM 15%::15 m 1/day 30 x 4 dg ::0 MO NZO Conc Russell 125 AM 15%::20% 1/day 30 x 4 dg ::0 MO NZO Conc Russell 125 AM 15%::20% 1/day 30 x 4 dg ::0 Grose 1250 AM 15%::20% 1/day 30 x 4 dg ::0 Grose 1250 AM 15%::20% 1/day 30 x 4 dg ::0 Grose 1250 AM 15%::20% 1/day 30 x 4 dg ::0 Grose 1250 AM 15%::20% 1/day 30 x 4 dg ::0 Grose 1250 AM 15%::20% 1/day 30 x 4 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 8 x 10 dg ::0 Grose 1250 AM 15%::20% 1/day 1/day 1/day 1/day 1/day 1/day 1/day 1/day 1/day 1/day 1/d	SAFIRE	MO	HO2 Cone	Russell	1217				.: 7% (30-60 km)	11(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-75 km
Mo HOCI Conc Raisell 1241 AM 15% :: 0.02 1/day [d] 6 x 8 dg :: O						Grose	1212	BM	25%:: 10%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos
MO HOCI Conc. Russell 1223 AM 25%:: 10% 26%:: 10% 26day 15 x 4 km :: G MO HOCI Conc. Russell 1223 Grose 1218 BM 20%:: 10% 2/day 30 x 4 dg :: G MO N2O Conc. Russell 1241 AM 25%:: 10% 1/day 8 x 10 dg :: G MO N2O Conc. Russell 1241 AM 25%:: 10% 1/day 25 x 1.5 dg :: 86S-86M MO N2O Conc. Russell 1241 Schoeberl 1232 AM 15%:(20-45 km) 1/(18-72 s) f/z 25 x 1.5 dg :: 85S-86M MO N2O Conc. Russell 1241 Schoeberl 1232 AM 15%:(20-40 km) 1/(18-72 s) f/z 25 x 1.5 dg :: 85S-86M MO N2O5 Conc. Russell 1255 AM 15%:(20-40 km) 1/(18-72 s) f/z 25 x 1.5 dg :: 85S-86M MO N2O5 Conc. Russell 1255 AM 15%:(20-40 km) 1/(18-72 s) f/z 25 x 1.5 dg :: 85 s 10 dg :: G Annual Conc.						Schoebarl	1214	¥	15%:: 0.02	1/day [d]	6x8dg::G	2 km :: Strat
MO HOCI Cone Russell 1223 Grose 1218 BM 2076::10% 2/day 25 x 2 5 s dg ::3650 20 x 4 dg ::0 MO N2O Cone Russell 1249 AM 20%::10% 2/day 15 x 15 dg ::0						Рую	1213	ΨV	25%:: 10%	2/day	15 x 4 lon :: G	3 km :: Strat
Chapter 1216 AM 2076 :: 1076 2/day 30.4 dg :: G Schoeber! 1220 AM 2076 :: 0.02 I/wk 8 x 10 dg :: G Pylo 1219 AM 2576 :: 1076 2/day 15 x 15 dg :: G Schoeber! 1231 AM 1576 :: 1076 1/day 2 x 1.5 dg :: 66S-66V Onese 1229 AM 1576 :: 1078 1/day 20 x 1.5 dg :: G Onese 1229 AM 1576 :: 1078 1/day 20 x 1.5 dg :: G Onese 1229 AM 2076 :: 1076 2/day 30 x 4 dg :: G Onese 1220 AM 2076 :: 1076 2/day 30 x 4 dg :: G Schoeber! 1251 AM 2076 :: 1076 2/day 30 x 4 dg :: G Onese 1250 AM 2076 :: 1076 2/day 30 x 4 dg :: G Schoeber! 1251 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 2076 :: 1076 2/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 8 x 10 dg :: G Onese 1250 AM 1576 :: 2076 1/day 2076 :: 2076 2076 :: 2076 2076 :: 2076 2076 2076 :: 2076 2076 2076 2076 2076 2076 2076 2076	SAFIRE	ОМ	HOCI Conc	Russell	721				:: 7% (35-40 km)	1/(36-72 s) [/]	25 x 2 5-5 dg :: 86S-86N	3 km :: 20-45 km
Schoeberi 1220 AM 20% :: 0.07 I/wk 8 x 10 dg :: G						Grose	1218	ВМ	20% :: 10%	2/day	30 x 4 dg :: G	3 km :: Strat
MO N2O Conc Rassell 1241 AM 25% :: 10% 25% :: 10% 2/day 15 4 km :: G MO N2O Conc Rassell 1241 AM :: 15% (20-35 km) 1/(18-72 s) [?] 25 x 1-5 dg :: 865-86N MO N2O5 Conc Rassell 1259 AM 15% :: 15% 1/day 2x 3 dg :: G MO N2O5 Conc Rassell 1259 AM 20% :: 10% 2/day 30 x 4 dg :: G MO N2O5 Conc Rassell 1259 AM 20% :: 10% 2/day 30 x 4 dg :: G Schoeberl 1250 AM 20% :: 10% 2/day 30 x 4 dg :: G						Schoebarl	1220	VΜ	20% :: 0.02	1/wk	8 x 10 dg :: G	3 km :: Strat
MO N2O Conc Russell 1241 Schoeberl 1232 AM 15%; (20-35 km) 1/(18-72 s) [?] 25 x 1-5 dg :: 865-86N MO N2O5 Conc Russell 1259 AM 15%; (20-40 km) 1/day 2x 3 dg :: 0 MO N2O5 Conc Russell 1259 AM 20%; (20-40 km) 1/(18-72 s) [?] 25 x 1-5 dg :: 0 MO N2O5 Conc Russell 1259 AM 20%; (10-40 km) 1/(18-72 s) [?] 25 x 1-5 dg :: 0 Schoeberl 1250 AM 20%; (10-40 km) 1/(18-72 s) [?] 25 x 1-5 dg :: 0						Pylo	1219	VΨ	25% :: 10%	2/day	15 x 4 km :: G	3 tem :: Street
Schoeberi 1232 AM 15%;:10 1/day 2 x 3 dg;:0 AM 15%;:15% 1/day 30 x 4 dg;:0 AM 15%;:15% 1/day 30 x 4 dg;:0 AM 15%;:15% 1/day 30 x 4 dg;:0 AM 20%;:10% 2 x 1 · 5 dg;:865.864 AM 20%;:10% 2 x 1 · 5 dg;:865.864 AM 20%;:10% 2 x 1 · 5 dg;:0 AM 20%;:10% 2 x 1 · 5 dg;:0 AM 20%;:10% 2 x 1 · 5 dg;:0 AM 20%;:10% 2 x 1 · 5 dg;:0 AM 20%;:10% 2 x 1 · 5 dg;:0 AM AM AM AM AM AM AM A	SAFIRE	MO	N20 Come	Russell	1241				:: 15% (20-35 km)	1/(18-72 s)//	25 x I-5 dg :: 865-86N	15 km :: 20-40 km
MO N205 Conc Rassell 1255 AM 15%::5% 1/day 30.x 4 dg :: O MO N205 Conc Rassell 1255 AM :: 10%:(20-40 km) 1/(18-72 s)/(2) 25.x 1-5 dg :: 86S-86N Grose 1250 AM 20%:: 10% 2/day 30.x 4 dg :: O Schoeberl 1252 AM 13%:: 20% 1/day 8 x 10 dg :: O						Schoeberl	1232	WV	15% :: 10	1/day	2x3dg:: G	2 km :: Sunt
MO N205 Come Rassell 1255 AM :: 10% (20.40 km) 1/(18.72 s)/?? 25 x 1-5 dg :: 86S-86N Grose 1250 AM 20% :: 10% 2/day 30 x 4 dg :: 0 Schoeberl 1252 AM 13% :: 20% 1/day 8 x 10 dg :: 0						Grose	1229	VW	15%::5%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
1250 AM 20%:10% 2/day 30.x4 dg:: G	SAFIRE	МО	N2O5 Conc	Russell	1255				:: 10% (20-40 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	15-3 km :: 10-45 km
1252 AM 15%:: 20% 1/day 8 x 10 dg:: G						Grose	1250	Ą	20%:: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
						Schoeberl	1252	AM	15% :: 20%	1/day	8 x 10 dg :: G	3 km :: Strat

Appendix M: IDS Input Requirements and Match Products by Instrument

			1		. 54						
Instrument	Platforms	Product N	TM	Prod #	Investigator Prod # Match Tyme	Production of the	Cments Match Tene	Accuracy Abe :: Del	I emporal Perchittor	Horizontal	Vertical
SAFIRE			Russell	1255	P. P.	1221	NV.	204. :: 104.	Mesonation	15 x 4 bm O	Acsol :: Cover.
SAFIRE	MO	NO2 Conc	Russell	1233				54. (20.55 1-1	1118.77.9177		7 C L 15 40 L
1				•	Topical S	1221	7	100 CC-02) St.C	1:1(12/-01)1	N00-000 :: 8p C-1 x C7	13 KM :: 13:00 KM
					Pris d	133		16868	1/0my	D:: 80 C X *	7 icm :: Mid-Ecmos
					Grose	1269	X	15459.	2/400	30.4440	2 Lan Mid anna
SAFIRE	MO	O(3P) Come	Russell	1298				15 %-(110-180 km)	11136-77 01171	25 = 2 5.5 do RAS. BAN	2 han :: Mid-Manos
					Grose	1284	BM	304:::104	1. John 1. J	30 x 4 de ()	3 km · Mid-stmos
					Schoeberl	12%	BM	15% :: 10%]/wk [d]	8 x 10 dg :: Q	3 km :: Strate
					Pyle	1295	BM	15%:: 5%	1/wk	15 x 4 km :: G	2 km :: Street
SAFIRE	МО	O3 Cone	Russell	1320				:: 5% (10-70 km)	1/(18-72 s) / ? !	25 x 2 5-5 dg :: 865-86N	15-3 km :: 10-100 km
					Bates	1305	Ψ¥	5-10%:: 1-5%	2/day	4×4dg::0	1-1.5 km :: 10-80 km
-					Grose	1306	ΨV	2%,5% :: 2%	2/day	30x4dg:: G	3 km :: Mid-atmos
					Murakemi	1310	¥	10%::			N/A:: TOA
				4	Schoeberl	1312	ΨV	10%:: 10%	1/day	4x5dg::0	2.5 km :: Trop
					Pyle	1311	VΨ	5%:: 2%	2/day	15x4km::0	3 km :: Strat
					Schoeberl	1313	ΑM	10%::5%	1/day	2x3dg::G	1.5 km :: Mid-atmos
SAFIRE	МО	0303(NUI.3) Come	Russell	1327				:: 15% (20-30 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 865-86N	3 km :: 20-35 km
					Schoeberl	1313	ΑM	10%::5%	1/day	2x3dg::G	1.5 km :: Mid-atmos
SAFIRE	МО	O3(NUZ) CONC	Russell	1329				:: 10% (20-40 km)	1/(36-72 s) [?]	25 x 2 5-5 dg :: 865-86N	3 km :: 20-50 km
_					Schoeberl	1313	AM	10%:: 5%	1/day	2x3dg::G	1.5 Icm :: Mid-atmos
SAFIRE	MO	03(048_00) Com	Russell	1344				:: 15% (20-30 lbm)	1/(36-72 s) [?]	25 x 2 5-5 dg :: 865-86N	3 km :: 20-35 km
					Schoeberl	1342	WV	10% :: 10%	1/wk	8 x 10 dg :: G	5 km :: Strat
SAFIRE	MO	03(Y8000) Conc	Russell	1345				:: 15% (20-35 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 865-86N	3 km :: 20-40 km
					Schoeberl	1342	νw	10% :: 10%	1/wk	8 x 10 dg :: G	5 km :: Strat
SAFIRE	МО	OH Conc	Russell	1360				:: 7% (30-75 km)	1/36-72 s) [?]	25 x 2.5-5 dg :: 865-86N	3 km :: 20-90 km
					Grose	1355	ВМ	25%:: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Schoeberl	1356	BM	10%:: .02s,.05m	1/day [d]	6 x 8 dg :: G	2 km :: Mid-atmos
					Рую	1211	ВМ	20% :: 10%	2/day	15 x 4 km :: G	2 km :: Strat
SAFIRE	MO	Pressure	Russell	1526				:: <2% (16-70 lbm)	1/(18-72 s) [?]	25 x 1-5 dg :: 865-86N	15 km :: 10-110 km
					Grose	1516	VW	0.05 :: 2%	2/day	15x4dg:: G	3 km :: Mid-atmos
SAFIRE	MO	Temperature Profile	Russell	1610				:: <0.5K(16-65 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	15 km :: 10-110 km
					Bates	1570	- WV	1K;2K>50km :: 3;1K>50km	2/day	4x4dg:: G	1-1.5 km :: 10-80 km
					Grose	1572	ΑM	2K::05K	2/day	15 x 4 dg :: G	2 km :: Mid-atmos
					Batos	1569	VM S−	:: 1-2 K		1.8 x .16 dg :: G	3 km :: 20-60 km
					Hansen	1573	¥	03 C::	1/wk	500 lcm :: G	:: Strat
					Pyle	1581	¥	2K::05K	2/day	15 x 4 lon :: G	2 km :: Strat
					Schoeberl	1582	¥	2K::1K	1/day	2 x 2 dg :: G	2 km :: Atmos
SAFIRE	MO	H2O Conc	Russell	1839				.: 5% (20-80 km)	1/36-72 s) [?]	25 x 2 5-5 dg :: 865-86N	3 km :: 10-100 km
					Grose	181	BM	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Trop/meso
					Schoeberl	1822	νγ	10% :: 0.05	1/day	4x5dg::Q	2.5 km :: Meso
-					Hansen	1864	VΜ	3%:	1/wk	500 km :: G	Column :: Strat
				•	Hansen	1812	Vγ	3%::	1/wk	500 km :: G	:: Atmos
				•	Bates	1808	ΑM	5-10%:: 1-5%	2/day	4×4dg:: 0	1-15 km :: 10-80 km
					Schoeberi	1821	Wγ	10% :: 5%,0.05s	1/day	2x3dg::G	1.5 km :: 0-Strat
SAFIRE	MO	H2O (HDO) Come	Russell	1857				.: 7% (20-50 km)	11(36-72 s) [7]	25 x 2 5-5 dg :: 865-86W	3 km :: 10-60 km
					Schoeberi	1856	BM	10% :: 10%	1/day	8 x 10 dg :: G	3 km :: Strat
SAGE-III	AERO,CHE	AERO CHEM Aerosol Exinction Coef	McCormick	1012				5% :: 5%	1/(2 min), 30/day	2x<1 dg :: G	1 km :: 0-40 km
					Bates	<u>1005</u>	ВМ		1/(1-3 day) [few day]	100 km :: G	l km :: Atmos

Appendix M: IDS Input Requirements and Match Products by Instrument

ick 1277 [ick 1282 [ick 1321 [ick 133] [ick 1437 [ick 14		Instrument Output Data Product	Product		IDS Input Regirements	It Regir	ements	Accuracy	Temporal	Horizontal	Vertical
AERO,CHEM Arrosol Estinction Cod McCormick 1912 AERO,CHEM NO2 Cone McCormick 1277 AERO,CHEM NO3 Cone McCormick 1282 AERO,CHEM OC10 Cone McCormick 1353 AERO,CHEM Cloud Height, Top, PSC McCormick 1437 AERO,CHEM Temperature Profile McCormick 1612	rumen	it Platforms Product Name		Prod #	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
AERO,CHEM NO2 Conc McCormick 1276 AERO,CHEM NO3 Conc McCormick 1282 AERO,CHEM O3 Conc McCormick 1321 AERO,CHEM OC10 Conc McCormick 1353 AERO,CHEM Cloud Height, Top. PSC McCormick 1437 AERO,CHEM Temperature Profile McCormick 1611 AERO,CHEM Temperature Profile McCormick 1612	E-111	AERO, CHEM Aerosol Extinction Coef	McCormick	1012	Dickinson	3374	ВМ			<0.5-1 deg :: G	
AERO.CHEM NO2 Conc McCormick 1276 AERO.CHEM NO3 Conc McCormick 1282 AERO.CHEM O3 Conc McCormick 1282 AERO.CHEM O3 Conc McCormick 1353 AERO.CHEM Cloud Height, Top. PSC McCormick 1437 AERO.CHEM Temperature Profile McCormick 1611 AERO.CHEM Temperature Profile McCormick 1612					Mouginis-Mark	3264	ВМ		1/wk	D::	:: Trop
AERO.CHEM NO2 Conc McCormick 1276 AERO.CHEM NO3 Conc McCormick 1283 AERO.CHEM OS Conc McCormick 1331 AERO.CHEM OS Conc McCormick 1353 AERO.CHEM Cloud Height, Top. PSC McCormick 1611 AERO.CHEM Temperature Profile McCormick 1611				اا	Hartmann	1002	ВМ	taus=0.02 ::	1/day	20 km :: G	3 km :: 0-15 km
AERO.CHEM NO2 Conc. MECOrmick 1276 AERO.CHEM NO3 Conc. MECOrmick 1282 AERO.CHEM O3 Conc. MECOrmick 1281 AERO.CHEM O3 Conc. MECOrmick 1383 AERO.CHEM Cloud Height, Top. PSC McCormick 1437 AERO.CHEM Temperature Profile McCormick 1611 AERO.CHEM Temperature Profile McCormick 1611					Sellers	1004	AM				
AERO, CHEM NO2 Conc McCormick 1276 AERO, CHEM NO3 Conc McCormick 1283 AERO, CHEM OS Conc McCormick 1353 AERO, CHEM OS Conc McCormick 1353 AERO, CHEM Cloud Height, Top, PSC McCormick 1817 AERO, CHEM Temperature Profile McCormick 1817					Mouginis-Mark	3263	VΜ		1/wk	::0	:: Strat
AERO,CHEM NO2 Conc McCormick 1276 AERO,CHEM NO2 Conc McCormick 1282 AERO,CHEM O3 Conc McCormick 1353 AERO,CHEM OCIO Conc McCormick 1353 AERO,CHEM Cloud Height, Top, PSC McCormick 1817 AERO,CHEM Tomperature Profile McCormick 1817					Schoeberl	1010	AM-\$-	10%:: 5%	1/day	200 lzm :: G	l km :: Strat
AERO,CHEM NO2 Conc McCormick 1277 AERO,CHEM NO3 Conc McCormick 1282 AERO,CHEM OGO Conc McCormick 1353 AERO,CHEM Cloud Height, Top. PSC McCormick 1611 AERO,CHEM Temperature Profile McCormick 1611					Orose	9001	AM S	20%:: 10%	2/day	15 x 4 dg :: G	2 km :: Strat
AERO,CHEM NO2 Conc McCornick 1276 AERO,CHEM NO3 Conc McCornick 1282 AERO,CHEM OSIO Conc McCornick 1353 AERO,CHEM Cloud Height, Top, PSC McCornick 1611 AERO,CHEM Temperature Profite McCornick 1611					Kerr, Sorooshian	1001	AM-S-	5%:: 5%	1/day	25 km :: Land	3 km :: Atmos
AERO, CHEM NO2 Conc McCornick 1275 AERO, CHEM NO2 Conc McCornick 1282 AERO, CHEM O3 Conc McCornick 1383 AERO, CHEM Colo Conc McCornick 1383 AERO, CHEM Cond Height, Top. PSC McCornick 1817 AERO, CHEM Temperature Profite McCornick 1811				4	Hansen	2287	¥	tau=0.02 ::	1/wk	S00 km :: 0	:: Strat
AERO,CHEM NO2 Conc McCornick 1277 AERO,CHEM NO3 Conc McCornick 1321 AERO,CHEM OS Conc McCornick 1321 AERO,CHEM OS Conc McCornick 1331 AERO,CHEM Cloud Huight, Top. PSC McCornick 1611 AERO,CHEM Temperature Profile McCornick 1611				-	Murakami	1327	ΑM	5-10%::		::0	N/A:: Atmos
AERO,CHEM NO2 Cone McCornick 1277 AERO,CHEM NO3 Cone McCornick 1282 AERO,CHEM OSI Cone McCornick 1353 AERO,CHEM Cloud Height, Top, PSC McCornick 1437 AERO,CHEM Temperature Profile McCornick 1611 AERO,CHEM Temperature Profile McCornick 1612	E-111	AERO,CHEM NO2 Com	McCormick	1276				10% :: 10%	11(2 min), 30/day	<2x<1 dg :: Polor	I km :: 10-50 km
AERO.CHEM NO2 Conc McCormick 1277 AERO.CHEM OCIO Conc McCormick 1353 AERO.CHEM OCIO Conc McCormick 1353 AERO.CHEM Cloud Height, Top. PSC McCormick 1611 AERO.CHEM Temperature Profite McCormick 1611					Grose	1269	Ą	15%::5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
AERO,CHEM NO3 Conc McCormick 1277 AERO,CHEM O3 Conc McCormick 1321 AERO,CHEM OCIO Conc McCormick 1353 AERO,CHEM Cloud Height, Top. PSC McCormick 1437 AERO,CHEM Temperature Profite McCormick 1612				.	Schoeberl	1271	Ą	10%:	1/day	4x5dg:: G	2 km :: Mid-atmos
AERO,CHEM NO2 Cone McCormick 1272 AERO,CHEM OSI Cone McCormick 1331 AERO,CHEM OSIO Cone McCormick 1353 AERO,CHEM Cloud Height, Top, PSC McCormick 1437 AERO,CHEM Temperature Profile McCormick 1611					Pyle	1270	ΑM	15%::5%	2/day	15 x 4 km :: 0	3 km :: Street
AERO,CHEM NO3 Conc McCormick 1282 AERO,CHEM OSIO Conc McCormick 1353 AERO,CHEM Cloud Height, Top, PSC McCormick 1437 AERO,CHEM Temperature Profile McCormick 1611 AERO,CHEM Temperature Profile McCormick 1612	E-111	AERO, CHEM NO2 COME	McCormick	1177				10% :: 15%	11(2 min), 30/day	2x<1dg::6	I km :: 20-50 km
AERO,CHEM NO3 Conc McCormick 1282 AERO,CHEM OCIO Conc McCormick 1353 AERO,CHEM Cloud Height, Top, PSC McCormick 1437 AERO,CHEM Temperature Profile McCormick 1611 AERO,CHEM Temperature Profile McCormick 1612					Schoeberl	1271	ВМ	10%::	1/day	4x5dg::G	2 km :: Mid-atmos
AERO,CHEM NO3 Conc McCormick 1332 AERO,CHEM OCIO Conc McCormick 1353 AERO,CHEM Cloud Height, Top, PSC McCormick 1437 AERO,CHEM Temperature Profile McCormick 1611					Hansen	1372	ΑM	2%:	1/wk	500 km :: G	:: Trop
AERO,CHEM NO3 Conc McCormick 1282 AERO,CHEM OS Conc McCormick 1353 AERO,CHEM Cloud Height, Top. PSC McCormick 1437 AERO,CHEM Temperature Profile McCormick 1611					Grosse	1269	ΨV	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
AERO,CHEM NO3 Cone McCormick 1321 MERO,CHEM OS Cone MECOrmick 1353 MERO,CHEM Cloud Height, Top. PSC MECOrmick 1353 MERO,CHEM Temperature Profile MERO,CHEM Temperature Profile MERO,CHEM Temperature Profile MERO,CHEM Temperature Profile MERO,CHEM Temperature Profile MERO,CHEM Temperature Profile MERO,CHEM Temperature Profile MERO,CHEM Temperature Profile MERO,CHEM Temperature Profile MERO,CHEM Temperature Profile MERO,CHEM Temperature Profile					Ş	1270	ΨV	15%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
AERO,CHEM OS Cone McCornick 1321 AERO,CHEM OCIO Cone McCornick 1353 AERO,CHEM Cloud Height, Top. PSC McCornick 1437 AERO,CHEM Temperature Profile McCornick 1611	E-111	AERO,CHEM NO3 Conc	McCormick	1282				#01 :: 401	11(2 min), 301day	2x <1 dg :: G	I km :: 20-55 km
AERO,CHEM OS Conc McCornick 1321 AERO,CHEM Cloud Height, Top, PSC McCornick 1437 AERO,CHEM Temperature Profite McCornick 1611					Grose	1279	ВМ	20% :: 10%	1/day [n]	30 x 4 dg :: G	3 km :: Mid-atmos
AERO,CHEM OSI Conc. McCormick 1331 AERO,CHEM OCIO Conc. McCormick 1353 AERO,CHEM Temperature Profite McCormick 1611 AERO,CHEM Temperature Profite McCormick 1612					Z S	1280	BM	25%:: 10%	1/day [n]	15 x 4 km :: G	3 km :: Strat
AERO,CHEM OCIO Cone McCormick 1353 AERO,CHEM Cloud Height, Top, PSC McCormick 1437 AERO,CHEM Temperature Profite McCormick 1611	E-111	AERO,CHEM 03 Conc	McCormick	1351				6% :: 5%	11(2 min), 301day	<2 x <1 dg :: Polar	I km :: 6-85 km
AERO,CHEM OCIO Conc McCormick 1353 AERO,CHEM Cloud Height, Top, PSC McCormick 1437 AERO,CHEM Temperature Profile McCormick 1611					Murakami	1310	BM	10% ::			N/A:: TOA
AERO,CHEM OCIO Conc McCormick 1353 AERO,CHEM Cloud Height, Top, PSC McCormick 1437 AERO,CHEM Temperature Profile McCormick 1611					Batcs	1305	¥	5-10% :: 1-5%	2/day	4x4dg::G	1-1.5 km :: 10-80 km
AERO,CHEM OCIO Conc McCormick AERO,CHEM Temperature Profite AERO,CHEM Temperature Profite McCormick AERO,CHEM Temperature Profite McCormick					Schoeberl	1313	AM	10%:: 5%	1/day	2x3dg::G	1.5 km :: Mid-atmos
AERO,CHEM OCIO Conc McCormick AERO,CHEM Cloud Heigh, Top. PSC McCormick AERO,CHEM Temperature Profile McCormick					Hansen	1307	AM	3%::	1/wk	500 km :: G	:: Atmos
AERO,CHEM OCIO Conc AERO,CHEM Cloud Heigh, Top. PSC AERO,CHEM Temperature Profile AERO,CHEM Temperature Profile AERO,CHEM Temperature Profile AERO,CHEM Temperature Profile					Schoeberl	1312	W	10%:: 10%	1/day	4 x 5 dg :: G	2.5 km :: Trop
AERO,CHEM OCIO Conc McCormick AERO,CHEM Cloud Heigh, Top, PSC McCormick AERO,CHEM Temperature Profile McCormick AERO,CHEM Temperature Profile McCormick					Moore	1309	WV	25% :: 10%	1/day	100 frm :: G	:: Atmos
AERO,CHEM OCIO Conc AERO,CHEM Cloud Heigh, Top. PSC AERO,CHEM Temperature Profite AERO,CHEM Temperature Profite McCormick					Pyle	1311	WV	5%:: 2%	2/day	15 x 4 km :: G	3 Icm :: Strat
AERO,CHEM OCIO Conc AERO,CHEM Cloud Height, Top. PSC AERO,CHEM Temperature Profite AERO,CHEM Temperature Profite McCormick					Grose	1306	ΑM	2%,5%:: 2%	2/day	30 x 4 dg :: G	3 km :: Mid-stmos
AERO,CHEM Cloud Height. Top. PSC McCormick AERO,CHEM Temperature Profile McCormick AERO,CHEM Temperature Profile McCormick	111-3:	AERO,CHEM OCIO Conc	McCormick	1353				20% :: 20%	1/(2 min), 30/day	2x < 1 dg :: G	2 km :: 15-25 km
AERO,CHEM Cloud Heigh, Top, PSC McCormick AERO,CHEM Temperature Profile McCormick AERO,CHEM Temperature Profile McCormick					Grosse	1349	BM	20% :: 10%	2/day	30 x 4 dg :: G	3 km :: Strat
AERO,CHEM Cloud Heigh. Top, PSC McCormick AERO,CHEM Temperature Profile McCormick AERO,CHEM Temperature Profile McCormick					Schoeberi	1351	ВМ	20% :: 0.01	1/wk [n]	8 x 10 dg :: G	3 km :: Strat
AERO,CHEM Temperature Profile McCormick AERO,CHEM Temperature Profile McCormick AERO,CHEM Temperature Profile McCormick					Pyle	1350	BM	25%:: 10%	2/day	15 x 4 km :: G	3 km :: Strat
AERO,CHEM Temperature Profile McCormick AERO,CHEM Temperature Profile McCormick	111-3:	AERO, CHEM Cloud Height, Top, PSC	McCormick	1437				0.2 lon :: 5%	11(2 min), 30/day	€2x<1 dg :: G	I km .: Strat/Trop
AERO,CHEM Temperature Profile McCormick AERO,CHEM Temperature Profile McCormick					Pyle	1404	ВМ		2/day	0::	:: Strat
AERO,CHEM Temperature Profile McCormick AERO,CHEM Temperature Profile McCormick					Grose	3307	W	20% :: 10%	2/day	15 x 4 dg :: G	2 km :: Strat
AERO,CHEM Temperature Profile McComick	111-3:	AERO, CHEM Temperature Profile	McCormick	1191				2 K :: 2K	1/(2 min), 30/day	2x4 dg :: G	I km :: 6-55 km
AERO.CHEM Temperature Profile McComick					Schoeber	1582	ВМ	2K::1K	1/day	2 x 2 dg :: G	2 km :: Atmos
AERO.CHEM Temperature Profile McComick					Batcs	1570	Ϋ́	1K;2K>50km :: 3;1K>50km	2/day	4x4dg::G	1-1.5 km:: 10-80 km
AERO.CHEM Temperature Profile McComick					Hanson	1573	ΨV	03C::	1/wk	500 km :: G	:: Strat
AERO,CHEM Temperature Profile McCormict					Batos	1569	AM S-	:: 1-2 K		1.8 x .16 dg :: O	3 km :: 20-60 km
AERO,CHEM Temperature Profile McCormick					Pyle	1581	WΥ	2 K :: 0.5 K	2/day	15 x 4 km :: G	2 km :: Strat
	:E-111	AERO, CHEM Temperdure Profile	McCormick	1612				2 K :: 2 K	1/(2 min), 30/day	<2 x <1 dg :: Polar	I km :: 6-70 km
					Schoderi	1582	AM	2 K :: 1 K	1/day	2x2dg:: G	2 km :: Atmos
					Hansen	1573	ΨV	03C::	1/wk	500 km :: G	:: Strat

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Output Data Product	a Product		IDS Inc	ut Regir	IDS Input Regirements	Accurace	Temporal	Horizontal	Vertical
nstrument	Platform	Instrument Platforms Product Name	TM	Prod #	Investigator Prod # Match Type	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover	Resol :: Cover
SAGE-III	AERO,CHE	AERO,CHEM H20 Come	McCormick	1840				10% :: 10%	1/(2 min), 30/dey	<2x< de :: Polar	/ lbn: 3-50 lbn
				-	Hansen	1812	Ψ¥	3%::	1/wk	500 km : Q	Atmos
SAGE-III	AERO,CHE	AERO,CHEM H20 Com	McComick	181				10% :: 15%	1/(2 min), 30/day	2xd dr::G	/ km :: 3-50 km
				1	Hanson	1864	¥	3%::	1/wk	\$00 km :: 0	Column :: Strat
					Hansen	1812	ΨV	3% ::	1%k	500 km :: G	:: Atmos
				.	Schoeberl	1821	Ą	10% :: 5%,0.05s	1/day	2 x 3 dg :: 0	1.5 km :: 0-Street
					Bates	1808	₹	5-10% :: 1-5%	2/day	4×4dg:: G	1-15 km :: 10-80 km
					Pyle	1819	ΨV	10% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
SOLSTICE	MO	Irradiance, UV Solar 10.0015 nm res.]	Rottman	1277				38::<1%	1/hr	NIA :: NIA	NIA :: NA
					Brewer	27.2	BM	20% :: 5%	1/dny, 1/seas	30 m :: Ocean/L	
					Brewer	27.6	BM	20% :: 5%	1/day, 1/seas	20 lcm :: Ocean	
					Pyle	273	BM	3: 1:8	2/day	15 x 4 lcm :: G	3 km :: Strat
					Schoeberl	2411	₹	5%:: 2%	L/day	D::	:: Strat
SOLSTICE	МО	Irradiance, UV Solar 10.1 mm res.)	Rottman	2278				%/>::%5>	Iller	NIA :: NIA	NIA :: NA
				•	Schoeberl	2411	BM	5%:: 2%	1/day	0::	Strat.
				•	Brewer	27.2	æ	20% :: 5%	1/day, 1/seas	30 m :: Ocean/L	
					Brewer	27.76	BM	20% :: 5%	1/day, 1/seas	20 km :: Ocean	
					Grosse	11/22	BM	5%::1%	2/day	15 x 4 dg :: G	:: TOA
					Pyle	273	ВМ	:: 1%	2/day	15 x 4 km :: G	3 km :: Strat
SOLSTICE	ОМ	Level-1B Irradiance, SOLSTICE	Rottman	2398					11/10	2 dg :: G	I bm :: Mid atm
					Brewer	2276	AM-	20% :: 5%	1/day, 1/seas	20 km :: Ocean	
STIKSCAT	СНЕМ	Wind Velocity, Sea_yc	Freilich	6291				:: 7%. 16 deg	II(2 day)	I dg :: Ocean	NIA .: New Sfc
					Dickinson	3338	BM			<0.5-1 deg :: Ocean	
					Harris	3434	BM	7%,14% :: 5%,10%	2 days	100 km :: Ocean/R	N/A :: Sfc
					Rothrock	1669	BM	2 m/s :: 2 m/s	1/day	100 km :: Poler	N/A :: Nong_sfc
					Barron	1657	BM	1 m/s,7 :: 1 m/s,7	1/day	100 km :: Ocean	N/A :: Sfc
				•	Hansen	1663	BM	10% ::	1/wk	500 km :: Ocean	:: Sfe
					Lau	1739	Ψ	0.5 m/s :: 2%	2/day	100 km :: G	N/A :: Sfc
					Rothrock	1670	Ą	2 m/s :: 2 m/s	1/day	25 km :: Polar	N/A :: Sfc
					Srokosz	1684	Ą	5%,5 dg :: .01m/s,1dg	1/day	25 km :: Ocean [South Atlan]	N/A :: Sfc
					Hartmann	1664	ΑM	2 m/s :: 2 m/s	1/day	50 km :: Ocean	N/A :: Sfc
STIKSCAT	CHEM	Wind Velocity, Sea_sfc	Fredich	0897				:: 10%; 16 deg	11(2 day)	25 km :: Ocean	N/A .: Near_Sfc
					Abbott	1753	MW.	10%,<20dg :: 5%	1/(1-2 day)	25 km :: Ocean [Southern]	N/A :: Sfc
					Batos	1658	æ	:: 10%; 20 dg		25 km :: Ocean	N/A :: Near_sfc
					Harris	333	MM M	10%,20% :: 5%,10%	1 day	25 km :: Ocran/R	N/A :: Sfc
						702	BM	10 dg :: 10 dg	1/day	25 km :: Ocean	N/A :: Sfc
					2	1713	MA.	1::1	1/day	25 km :: Ocean	N/A :: Sfc
					Rothrock	1670	M	2 m/s :: 2 m/s	1/day	25 km :: Polar	N/A :: Sfc
					Srokosz	1716	BM	1 m/s :: 0.1 m/s	1/day	25 km :: Ocean [South Atlan]	N/A :: Sfc
					Srokosz	1684	BM	5%,5 dg :: .01m/s,1dg	1/day	25 km :: Ocean [South Atlan]	N/A :: Sfc
					Srokosz	1303	BM	10 dg :: 1 dg	1/day	25 km :: Ocean [South Atlan]	
					Hartmann	1664	BM	2 m/s :: 2 m/s	1/day	50 km :: Ocean	N/A :: Sfc
					Barron	1653	BM	1 m/s,? :: 1 m/s,?	1/day	10 km :: Ocean/R	N/A :: Sfc
					Dickinson	3338	ξ			<0.5-1 dog :: Ocean	
					Ваттов	1657	ş	1 m/s,? :: 1 m/s,?	1/day	100 km :: Ocean	N/A :: Sfc
					Rothrock	1669	W	2 m/s :: 2 m/s	1/day	100 km :: Poler	N/A :: Near_sfc
STIKSCAT	CHEM	Wind Stress	Freilich	94//		:				:: Ocean	:: S/c
					Bates	1/42	BM			:: Ocean	:: Ste

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Outout Data Product	Product		IDS Input Regirements	1 Regire	ements	Acuracy	Temporal	Horizontal	Vertical
Instrument	Platforms	Instrument Platforms Product Name		Prod#	Investigator Prod # Match Type	rod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
STIKSCAT	CHEM	Wind Spess	Freilich		J.	1743	ВМ	0.01 ::		:: Ocem	N/A :: Sfc
				ł	Muniterni	1744	BM	0.01 ::		:: Ocean	N/A :: Sfc
					Tupley	1745	BM	10% ::	4/day	50 km :: Ocean	N/A :: Sfc
STIKSCAT	СНЕМ	Level-1B Backscatter Coef	Freilich	2108				:: 0.25 dB		25 km :: G	NIA :: SÆ
					Brewer	2062	ВМ	10% :: TBD	1/day, 1/scas	25 km :: Ocean	N/A:: Sfc
					Srokosz	2109	BM	0.3 dB :: 0.1 dB	1/day	25 km :: Ocean [South Atlan]	N/A:: Sfc
TES	СНЕМ	CH4 Conc	Beer	1087				:: 14 ppb	11(16 day)	16x5 km :: G	4-6 km :: 0-12 km
					Grose	1074	Ψ¥	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Pyle	1071	Ą	10%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
				1	Hansen	1075	AM	0.10% ::	1/wk	500 km :: Wetlands	:: Trop
					Hamson	9/01	AM		1/wk	500 km :: G	:: Trop
TES	CHEM	CH4 Conc	Beer	P80/				:: 30 ppb	11(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
					Grose	1074	WV	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
				 .	Pyle	1077	WV	10%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
				L	Schoeberl	1078	νV	15% :: 0.05	1/day	2x3dg:: G	1.5 km :: Strat
TES	CHEM	CH4 Conc	Beer	6807				40 ppb	11(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
				•	Hamsen	1075	BM	0.10% ::	1/wk	500 km :: Wetlands	:: Trop
					Hansen	1076	BM		1/wk	500 km :: G	:: Trop
					Grose	1074	AM	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-stmos
					Ą	101	ΑM	10% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
TES	СНЕМ	CO Conc	Beer	1127				:: 10 ppb	1/(16 day)	160 x 23 km :: G	2-3 кт :: 13-30 кт
				I	Schoeberl	1121	VΜ	15% :: 5	1/day	8 x 10 dg :: G	3 km :: Mid-atmos
					Pyle	1119	AM	15% :: 5%	2/day	15 x 4 km :: G	2 km :: Strat
TES	СНЕМ	CO Conc	Beer	1128	**			:: 15 ppb	1 (16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
				•	Hansen	1117	¥	0.10% ::	1/wk	\$00 km ::	:: Trop
				1	Grose	1116	WV	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Schoebert	1120	νγ	15% :: 5	1/day	2 x 3 dg :: G	2 km :: Trop
TES	СНЕМ	CO Conc	Beer	6211		-		:: 3 ppb	(1(16 day)	I6x5km::G	4-6 km :: 0-12 km
				4	Dickinson	3325	Ą		:		
					Hansen	1117	¥	0.10% ::	1/wk	:: III 00 5	:: Trop
				•	Schoeberl	1120	AM	15% :: 5	1/day	2 x 3 dg :: G	2 km :: Trop
TES	CHEM	HNO3 Conc	Beer	1205				:: 3 ppt	1/(16 day)	160 x 23 km :: G	2.3 km :: 4-12 km
					Grose	1198	WΥ	20%:: 5%	2/day	30 x 10 dg :: G	3 km :: Mid-atmos
					Pyle	1199	ΑM	15%:: 5%	2/day	15 x 4 lcm :: G	3 km :: Strat
TES	СНЕМ	HINO3 Come	Beer	1206				:: 3 ppt	11(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
					Schoeberl	1200	Æ	15% :: 0.1	1/day	2x3dg:: 0	2 km :: Sunt
					Pyle	<u>\$</u>	ΨV	15%:: 5%	2/day	15 x 4 km :: G	3 km :: Strat
TES	CHEM	N2O Conc	Beer	1243				:: 10 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
,					Grose	1229	¥	15%:: 5%	1/day	30 x 4 dg :: G	3 lon :: Mid-atmos
					Schoebert	1232	WV	15% :: 10	1/day	2x3dg::G	2 km :: Strat
TES	СНЕМ	NH3 Conc	Beer	1256				:: 300 pps	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
					Hansen	1372	AM-	2%::	1/wk	500 km :: G	:: Trop
TES	CHEM	NO Conc	Beer	1268				:: 25 ppt	11(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
					Schoeberl	1264	W	15% :: .2s,1.0m	1/day [d]	4 x 5 dg :: G	2 km :: Mid-semos
					Grose	1262	VW	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
					Pyle	1263	WΥ	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
TES	CHEM	NO2 Conc	Beer	1278				:: 500 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
					Grose	1269	νV	15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos

Appendix M: 1DS Input Requirements and Match Products by Instrument

179c Abs.: Rei Resolution Resol i: Cover.			Instrument Output Data Product	Data Froduct		IDS Input Regirements	S KCE	ements	Accuracy	empora	Horizonia	Vertical
CHEM VOC Cose Pere 123 Schooler 121 121 AM 1976; 37 1344;	Instrument	Platform	s Product Name	TM	Prod #	Investigator	Prod #	Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
CHEM CLOSE CLOSE Part TH This TH TH TH TH TH TH TH T	753	СНЕМ	NO2 Com	Beer	1278	Schoeberl	1271	ΜV	10% ::	1/day	4x5dg:: G	2 km :: Mid-stmos
CHEM Of Color Part 113 Hundring 110 AM 178 114 116 140 110 12 144 100 110 12 144 100 12 144 100 12 144 100 12 144 100 12 144 100 12 144 100 12 144 100 12 144 100 12 144 12 12 144 12 12						Pyle	1270	VW	15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
Michael 1919 AM 1006-25 11-144 2007-10-10 20.04-10	TES	CHEM	O3 Conc	Beer	1323				:: 20 ppb	11(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
Cutor Face					•	Murakami	1310	ΑM	10% ::			N/A :: TOA
Standowt 131					,	Hanson	1307	ΑM	3%::	1/wk	500 km : G	:: Atmos
CIGNA CO Cote Cot						Schoeberi	1313	WV	10%:: 5%	1/dey	2x3dg:: G	1.5 km :: Mid-etmos
CHEM CO Cost Cost						Pyle	3	ΜV	5%:: 2%	2/day	15 x 4 km :: G	3 km :: Strat
Houstain 1310 AM 196::194 144 300m:0	165	CHEM	Of Conc	Beer	1324				9dd E ::	11(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
Standard 1317 AM 1561 174 175						Murakemi	1310	₩	10%::			N/A :: TOA
Stondon 1312 AM 1014-104 1104 1104 1134 1014-104 1104 1104-104 110						Hansen	1307	Ϋ́V	3%:	1/wk	500 km :: G	:: Atmos
Digno Dign						Schoeberl	1312	WΥ	10% :: 10%	1/day	4x5dg::G	2.5 km :: Trop
CHEM Ol Conc. Beer 133 Phis 1311 AM 10%=25 124py 1615 face 1515 1514 face 1515 f						Moore	1309	WV	25% :: 10%	1/day	100 km :: G	:: Atmos
CHEM Ol Cone Rev 133						Pyle	1311	WΥ	5% :: 2%	2/day	15 x 4 km :: G	3 km :: Strat
Shooked 131	TES	СНЕМ	O3 Conc	Beer	1325				:: 13 ppb	11(16 day)	16x5 km :: G	4-6 km :: 0-12 km
CHEM SOC Cone Beer 170 Monom 1912 AM 1961 1049 144 44 45 48; CO CONE						Murakani	1310	AM	10% ::			N/A :: TOA
History 1307 AM 258 1104 1100 1100 120						Schoebert	1312	AM	10% :: 10%	1/day	4x5dg::G	2.5 km :: Trop
CHEM SO2 Core Beer 170 Miscon 130 AM 1245; 1946 11649 1100 his CO						Hansen	1307	AM	3%::	1/wk	S: maj 005	:: Atmos
CHEM SQ2 Conc. Beer 170 Houginis-Mart 2349 BM 1164-649 11616						Moore	1309	AM	25% :: 10%	1/day	100 km :: G	:: Atmos
	res	CHEM	SO2 Conc	Beer	1370				:: 600 ppf	11(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
CHEM Temperature Profit Rect 1814 Listed 1356 AM 2785 1104 and 1510						Mouginis-Mark	3289	BM		1/day	1 km :: G	N/A :: Plume_col
CHEM Temperature Profile Beer 1614 Schockeri 1516 AM 278 ft 11(16 dep) 16.5 ftm; Chemic Chiem Finance 1517 AM 11:0.04 11(dep) 16.5 ftm; Chemic Chiem 1517 AM 11:0.04 11(dep) 16.5 ftm; Chemic Chemic Chiem 1517 AM 11:0.04 11(dep) 15.4 ftm; Chemic Chiem 1518 AM 2.K; 1K 11(dep) 15.4 ftm; Chemic Chiem 1518 AM 2.K; 1K 11(dep) 15.4 ftm; Chemic Chiem 1518 AM 2.K; 1K 11(dep) 15.4 ftm; Chemic Chiem 1518 AM 2.K; 1K 11(dep) 15.4 ftm; Chiem 15.4 ftm;						Mouginis-Mark	3288	BM		[near-real time?]	1 km :: G	N/A :: Plume_col
CHEM Tonyerman's Profile Recr 1614 Human 1575 AAM 1 1 1 1 1 1 1 1 1						Schoeberi	1366	ΑM	20%::	1/wk	8 x 10 dg :: G	3 km :: Strat
Third	7ES	СНЕМ	Temperaure Profile	Beer	1614				:: 2 K	11(16 day)	16x5tm::G	1 km, 4-6 km :: 0-12 km
Historian Hist						Isacks	1576	Wγ	1::0.4	1/wk	50 km :: Land/R	1 km :: Trop
Burno 1555 AM 1K :: O.K 1/day 10 km :: R						Hartmann	1575	ΜV	1::1	1/day	10 km :: Ocean	1 km :: 0-15 km
Pyle 1551 AM 2 K: 0.5 K 2 Jaby 153 4 km: 0						Barron	1565	ΨV	1 K :: 0.5 K	1/day	10 km :: R	l km :: Trop
Schooler 1552 AM 1 (1.1) (1					h	Pyle	1581	Wγ	2 K :: 0.5 K	2/day	15 x 4 lcm :: G	2 km :: Strat
CHEM Temperature Profile Beer 1615 AM 1 K :: 0.1 K 2 day 10 hm :: 0.ccam (South Alam) CHEM Temperature Profile Beer 1615 AM 2 K :: 0.5 K 11/16 day) 15.4 km :: 0.5 K 11/16 day) 15.4 km :: 0.5 K 11/16 day) 15.2 d km :: 0.5 K 11/16 day) 15.2 d km :: 0.5 K 11/16 day) 15.2 d km :: 0.5 K 11/16 day) 15.2 d km :: 0.5 K 11/16 day) 15.2 d km :: 0.5 K 11/16 day) 15.2 d km :: 0.5 K 11/16 day) 15.2 d km :: 0.5 K 11/16 day) 15.2 d km :: 0.5 K 11/16 day) 15.2 d km :: 0.5 K 11/16 day) 15.2 d km :: 0.5 K 11/16 day) 15.2 d km :: 0.5 K 15.2 d km :: 0.5 C 15.2 d km					4	Schoeberl	1582	ΜV	2 K :: 1 K	1/day	2 x 2 dg :: G	2 km :: Atmos
CHEM Temperature Profite Beer 1616 Phisa 1581 AAH 2.K.:0.5 K 1116 day) 160x.23 hm.: G	1					Srokosz	1584	ΨV	1K::0.1K	2/day	10 km :: Ocean [South Atlan]	
CHEM Temperature Profile Beer 1016 Schoeberi 1582 AM 2 K :: 1 K 11/dsy 2 x 2 dg :: G	3	CHEM	l'emperaure Profile	Beer	1615				:: 2 K	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
CHEM Temperature Profile Beer 1616 Schocbert 1582 AM 2 K :: 1 K 1/161 day) 140 x 3.2 dg :: G						Pyle	1581	WV	2K:: 0.5 K	2/day	15 x 4 km :: G	2 km :: Strat
CHEM Isoperature Profile Beer 1616 Schockeri 1882 AM 2 K :: 1 K 11/6 day) 160 x 23 k bros	4.24					Schoeberl	1582	WV	2 K :: 1 K	1/day	2 x 2 dg :: G	2 km :: Atmos
CHEM H2O Conc. Trapospheric Beer 1842 Schoebeel 1852 AM 2 K :: 1 K 1 (Isb day) 2 x 2 dg :: G CHEM H2O Conc. Stratospheric Beer 1813 AM 15% :: 5% 2 (Iday) 30 x 4 dg :: G CHEM H2O Conc. Stratospheric Beer 1813 AM 3% :: Black 1 I/wk 500 km :: G CHEM H2O Conc. Stratospheric Beer 1843 AM 3% :: Black 1 I/wk 500 km :: G CHEM H2O Conc. Stratospheric Beer 1843 AM 3% :: Black 1 I/wk 500 km :: G CHEM H2O Conc. Stratospheric Beer 1843 AM 3% :: Black 1 I/wk 500 km :: G CHEM H2O Conc. Stratospheric Beer 1844 3% :: Black 1 I/wk 500 km :: G CHEM H2O Conc. Stratospheric Berr 1849 AM 10% :: 5% 0.05 1 I/kky 2 x 3 dg :: G CHEM H2O Conc. Stratospheric Berr 1844 10% :: 5% 0.05 1 I/kky	3	CHEM	I emperaure Profile	Beer	9/9/				:: 2 K	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
CHEM 1120 Cone, Tropospheric Beer 1842 Cones 1811 AM 15%:15% 2.day 30x4dg::G Topics 1811 AM 15%:15% 2.day 30x4dg::G Topics 1813 AM 3%:: 1/wk 500km::G Hansen 1844 Bates 1844 3%:: 1/wk 500km::G Hansen 1844 Bates 1844 3%:: 1/wk 500km::G Bates 1844 Bates 1844 3%:: 1/wk 500km::G Schocheri 1844 10%::5%,005s 1/kby 15x4bm::G Schocheri 1844 10%::5%,005s 1/kby 10xx3dg::G Hansen 1844 10%::5%,005s 1/kby 10xx3dg::G Schocheri 1844 10%::5%,005s 1/kby 10xx3dg::G CHEM H20 Cone Beer 1844 1845 AM 10%::5%,005s 1/kby 10xx3dg::G Schocheri 1815 AM 10%::5%,005s 1/kby 10xxx3dg::G Schocheri 1815 AM 10%::5%,005s 1/kby 500km::G Schocheri 1815 AM 10%::5%,005s 1/kby 500km::G Schocheri 1815 AM 10%::5%,005s 1/kby 500km::G Schocheri 1815 AM 10%::5%,005s 1/kby 5x3dg::G Schocheri 1815 AM 10%:5%,005s 1/kby 5x3dg::G Schocheri 1815 AM 10%:5%,005s 1/kby 5x3dg	000					Schoeberi	1582	ΜV	2 K :: 1 K	1/day	2 x 2 dg :: G	2 km :: Atmos
CHEM H2O Conc., Strataspheric Beer 1843 AM 15%5% 21day 30.x 4 dg :: O	3	CHEM	H2O Conc, Tropospheric	Beer	1842				:: 50 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
Hansen 1815 AM 556:: 4(day) 50 km::O						Grose	=	¥	15%:: 5%	2/day	30 x 4 dg :: G	3 km :: Trop/meso
CHEM H2O Conc., Strato-pheric Beer 1843 AM 3%:: 1/nk SOO Lan.: G CHEM H2O Conc., Strato-pheric Beer 1843 AM ::0.5 ppm 1/i/16 day) 160x 23 km.: G Hansen 1864 BM 3%:: 1/nk \$50 km.: G Pyle 1819 AM 100%:: 5%: 2/day 15 x 4 km.: G CHEM H2O Conc Beer 1844 AM 100%:: 5%:0053 1/day 15 x 4 km.: G CHEM H2O Conc Beer 1844 AM 100%:: 5%:0053 1/day 10 km.: LandR Hansen 1815 AM 100%:: 5% 1/day 10 km.: R 10 km.: R CHEM Hansen 1815 AM 100%:: 5% 1/day 10 km.: R						Tapley	1825	¥	5%::	4/day	50 len :: G	l km :: Atmos
CHEM 1120 Conc., Stratospheric Beer 1841 Base 1864 BM 345.: 1/wk 500 km.: G	01.1	7.2.50				Hamson	<u>2</u>	Ψ¥	3%::	1/wk	500 km :: G	:: Trop
Hansen 1864 BM 3%: 1/wk 500 km; G	3	CHEM	H2O Conc, Stratospheric	Beer	1843				:: 0.5 ppm	1/(16 day)	160 x 23 km :: G	2-3 кт.: 13-30 кт
CHEM H2O Conc. Beer 1844 AM 5.10% ::1-5% 2/day 4.4 4 dg ::G CHEM H2O Conc. Beer 1844 1821 AM 10% ::5% to 05s 1/day 2.x 3 dg ::G CHEM H2O Conc. Beer 1844 AM 10% ::5% to 05s 1/day 2.x 3 dg ::G CHEM H2O Conc. Beer 1845 AM 10% ::0.05 1/wk 50 km ::Land/R Barron 180 AM 10% ::0.5% 1/day 10 km ::R 10 km ::R CHEM COS Conc. Barron 1813 AM 10% ::5% 1/day 10 km ::R Amonth CHEM COS Conc. 1821 AM 10% ::5%, 10% 1/day 2 x 3 dg ::G						Hansen	38	BM	3%::	1/wk	500 km :: G	Column :: Strat
CHEM H2O Conc. Beer 1844 1819 AM 10%::5% 2/day 15x4 km::Q CHEM H2O Conc. Beer 1844 82 182 AM 10%::5% gporm 1/16 day) 16x5 km::G 4 Barron 1815 AM 10%::5% gporm 1/nk 50 km::Land/R 4 Hansen 1813 AM 10%::5% 1/nk 50 km::B 10 km::R CHEM COO Conc. Schooberl 1821 AM 10%::5%-0.05s 1/nk 500 km::G						Battos	808	NV	5-10% :: 1-5%	2/day	4x4dg:: G	1-1.5 km :: 10-80 km
CHEM H2O Conc. Beer 1844 Schooberil 1821 AM 10%::5% ppm 1/16 day) 2 x 3 dg ::G 4 Barron 1865 AM 10%::0.05 1/wk 50 km::Land/R 10 km::R 10 k						178	1819	WV	10%::5%	2/day	15 x 4 km :: G	3 km :: Strat
CHEM 1120 Conc Beer 1844 :: 50 ppm 1/(16 day) 16 x 5 bm; G 4 Lascts 1815 AM 10%; 50.05 1/wk 50 km; Land/R Barron 1806 AM 10%; 5% 1/day 10 km; R Hansen 1813 AM 10%; 5% 1/day 10 km; R Schoeberl 1821 AM 10%; 5%(1005; 1/day 2 x 3 dg; G						Schoeberl	1821	ΨV	10% :: 5%t,0.05s	1/day	2x3dg::G	1.5 km :: 0-Strat
Schocker 1823 AM 10%::0.05 1/wk 50 km::Land/R 180 AM 10%::5% 1/day 10 km::R 180 km	3	CHEM	HZU COME	Beer	3				:: 50 ppm	1/(16 day)	16x5 lm::G	4-6 km :: 0-12 km
Schooled 1813 AM 10%::5% 1/day 10 km::R						Isacks	1815	₩.	10% :: 0.05	1/wk	50 km :: Land/R	2 km :: Trop
CHEW COT Cone Race 18.27 AM 10%: 5%(10.05 1/day 2.x.3.dg: G						Sarron	908	WV :	10% :: 5%	1/day	10 km :: R	:: Trop
CHEM COSC COMP. 10.00 1.00 1.00 1.00 1.00 1.00 1.00 1						Chambel	1813	¥ .	3%:	1/wk	S00 km :: 0	:: Trop
	TES	CHEM	CO) Cont	Rece	2637	1 monday	1707	5	10.76 :: 3.76(,0.038	1/day	O :: 80 8 x 7	1.5 km :: 0-Strat

Appendix M: IDS Input Requirements and Match Products by Instrument

		Instrument Output Data Product	Product	L	IDS Input Regirements	Regire	ments	Accuracy	Temporal	Horizontal	Vertical
Instrument	Platforms	nstrument Platforms Product Name	TM Pro	d# Inve	stigator P	rod # N	od # Investigator Prod # Match Type	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
TES	СНЕМ	CO2 Conc	Beer 363						11(16 day)	16 x 5 km :: L	
				S	Sellers	1141	BM				
					Grose	1138	BM	1%::0.5%	1/mo	D:: MZ	10 km :: Mid-stmos
				_	Hansen	1139	BM	0.2 ppm ::	1/wk	500 km :: G	:: Trop
				Kerr,	Kerr, Sorooshian 1140	1140	BM	15%:: 15%	1/day	50 km :: G	1 km :: Atmos
TES	СНЕМ	HCI Come	Beer 363						11(16 day)	16 x 5 km :: L	
				Moug	Mouginis-Mark 3283	3283	ВМ		1/day	::0	N/A :: Plume_col

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IDS Input Requirements Not Met by EOS Instruments until Year 2001

Appendix N

Science Processing Support Office (SPSO)

Goddard Space Flight Center

August 1992

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Appendix N: IDS Input Requirements Not Met until Year 2001

igator Pi	Product Name Ocean Wave Height, Significant 31. Pigment Conc., Phycocythrin 25.	3/30	Instr. Platforr	Platform	I Investigator Dred #	n Investigator Prod # Match	Acta	Abe :: Rel	Description	Resol :: Cover.	Resol :: Cover.
		051			1 San Sancardi				Kesoludon	Treatment of the	
								10% :: 5%	11(10-20 day)	10-20 km :: Ocean (Southern)	NA :: Sfe
		1	ALT	ALT	ъ	3129	AM	>.5m,10% ::		7 km :: Ocean	N/A :: Sfc
		2584	-					50% :: 20%	11(1-2 day)	I-4 km :: Ocean [Southern]	N/A:: TOO
		_	HIRIS	AM2	Davis, Melack	3072	AM.	100%:: 50%	1/(>=2 day)	60-90 m :: Ocean-I/L	N/A:: T00
	Sea Level Height 31	3105						5 ст :: 3 ст	11(10-20 day)	10-20 km :: Ocean [Sowhern]	N/A :: Sfc
	•	L	ALT	ALT	요	3112	BM	10 cm ::		7 km :: Ocean	N/A :: Sfc
		_	ALT	ALT	Fu	3108	BM	Scm et al ::	1/(16 day)	25 km :: Ocean	N/A :: Sfc
	Wind Speed, Sea sfc 17	1707						10% :: 5%	11(10-20 day)	25 km :: Ocean [Sowhern]	NIA :: Sfc
		1	ALT	ALT	æ	1735	BM	2 m/s ::		7 km :: Ocean	N/A :: Sfc
Abbott Wind S	Wind Speed Sea SC	1708						10% :: 5%	11(1-2 day)	25 km :: Ocean (Southern)	NIA :: Sfe
		31 }	ALT	ALT	2	1735	BM	2 m/s ::		7 km :: Ocean	N/A :: Sfc
Abbott Wind V	Wind Volonity Sea efe	1751						10%,<20dg :: 5%	11(1-2 day)	25 tm :: Ocean (Southern)	NA :: Sfc
		·	STIKSCAT	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
Porros		20.40						5::5	1/day	100 km :: G	N/A :: Cloud
		3	GIRSA	ALT	Soinhime	2078	¥	1%::	1/(2-16 day)	10-200 km :: G	N/A ::
Prod Com		2050						5::5	1/day	10 km :: R	N/A :: Cloud
		1	GLRS-A	ALT	Spinhime	2078	ş	1%::	1/(2-16 day)	10-200 km :: G	N/A::
Barros Cloud Cours		2051						5::5	Ilday	30 m :: L	N/A :: Cloud
		طـــ }	HIRIS	AM2	Welch	2079	EM EM	1%:: 0.5%	1/(1-3 min), 1/(2-16 day)		:: Clond
Duran Cloud	Cloud Mainte Bree	1382						100 m :: 50 m	Ilday	30 m :: L	100 m :: Cloud
		3 <u> </u>	HIRIS	AM2	Welch	1390	æ	50m:: 50m	1/(2-16 day)	30 m :: L	N/A:: Cloud
	Olond Bright Ton	2171						100 m :: 25 m	Ilday	10 km :: R	100 m :: Cloud
Daron Crowd		3	GLRS-A	ALT	Spinhime et al	1425	¥	75m::	1/(2-16 day)	200 m :: G	75 m :: Cloud
Barres	Cloud Heiski Ton	1111						100 т :: 25 т	liday	30 m :: €	100 m :: Cloud
		a	HIRIS	AM2	Welch, Goetz	1426	BM	500 m :: 250 m	1/(2-16 day)	30 m :: L	N/A :: Cloud
			GLRS-A	ALT	Spinhime et al	1425	Æ	75 m ::	1/(2-16 day)	200 m :: G	75 m :: Cloud
Rarros	Cloud Ontical Death 2.	2303						3% :: 3%	1/day	30 m :: OceanL	N/A :: Cloud
		1	HIRIS	AM2	Welch	2309	BM	3%:: 1.5%	1/(1-3 min), 1/(2-16 day)	30 m :: L	N/A:: Cloud
Barres	Denianes Network Structure	2905						30 m ::	11(3 mo)	30 m :: Landil	NIA :: Sfe
		iL	HIRIS	AM2	Kieffer, Clark	2884	ķ	:: 30%		30 m :: L	N/A :: Sfc
Raron Humin	Humidity Profile	9087						10% :: 5%	Ilday	10 km :: R	:: Trop
		.	TES	CHEM	Beer	184	W	:: 50 ppm	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
Barron Ice St	Ice Sheet Elevation 2	2906						:: 001	II(3 mo)	10 km :: Land/Cryo	:: Sfc
		!	ALT	ALT	Zwally	2911	æ	.: m2-m2	1/yr	15 km :: Land/Cryo	N/A :: Sfc
		L	GLRS-A	ALT	Bentley	2912	VΜ	100 mm :: 100 mm	1/mo	75 m :: Land/Cryo	N/A :: Sfc
Barron Ice St	Ice Sheet Elevation 2	2907						:: 001	11(3 mo)	100 km :: LandiCryo	:: S/c
			ALT	ALT	Zwally	2911	BM	.: m2-m2	1/yr	15 km :: Land/Cryo	N/A :: Sfc
Barron Ice SI	Ice Sheet Thickness	3053						:: 001	11(3 mo)	10 km :: Land/Cryo	:: S/c
		_	GLRS-A	ALT	Bentley	2912	BM-	100 mm :: 100 mm	1/110	75 m :: Land/Cryo	N/A :: Sfc
		<u> </u>	ALT	ALT	Zwally	2911	BM-	.Տm-Տm ։։	1/yr	15 km :: Land/Cryo	N/A :: Sfc
Raron Ice S	Ice Sheet Thickness 3	3054						100:	11(3 mo)	100 km :: Land/Cryo	30 m :: Sfc
			GLRS-A	ALT	Bentley	2912	BM.	100 mm :: 100 mm	l/mo	75 m :: Land/Cryo	N/A :: Sfc
			ALT	ALT	Zwally	2911	BM.	.5m-5m ::	1/yr	15 km :: Land/Cryo	N/A :: Sfc
Range Ice S	Lee Sheet Velocity	2929						::		:: Land/Cryo	NIA :: Sfe
			GLRS-A	ALT	Bentley	2897	BM	10 mm/day :: 10 mm/day	1/то	N/A :: Land/Cryo	N/A :: Sfc
		•	HIRIS	AM2	Kieffer	2932	BM	10^-6 :: variable	1/yr	100 m :: Cryo	N/A :: Sfc
		_	HIRIS	AM2	Kieffer	2895	ΑM	1% :: 0.2%	1/yr	30 m :: Glacier/L	N/A :: Sfc

Appendix N: IDS Input Requirements Not Met until Year 2001

	IDS Immit Data Beading		303	1			-				
Investigator		3	202	THE ACTUAL TO A STATE OF THE ST	TOO THE WHITE COUNTY IN THE PRODUCT			Accuracy	rempora	Horizontal	Vertical
IIIVESCIE MICO		# B011	Instr.	TISCOURL.	Matter Investigator Frod # Match	# 501	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Barron	Ice sheet Velocity	2929	HIRIS	AM2	Kieffer	2930	ΨV	10^-6 :: variable	1/yr	100 m :: Land/Cryo	N/A :: Sfc
Ватом	PBL Height	1510						75 ଲ ∷	liday	10 km :: R	100 m :: Mixed by
			GLRS-A	ALT	Spinhime et al	1514	ВМ	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Trop
Ватом	PBL Heigh	11211						75 m ::	1/day	100 km :: G	100 m :: Mixed by
			GLRS-A	ALT	Spinhirne et al	1514	BM	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Trop
Ватон	Precipitable Water	1859						3%::1%	1/day	30 m :: L	Column :: Trop
			HIRIS	AM2	Goetz	1873	ВМ	10% :: 3%	1/(1-3 min), 1/(2-16 day)		Column :: Trop
Ватоя	Snow Cover	3004						5%::5%	1/day	30	N/A :: Sfc
			HIRIS	AM2	Dozier	610E	ВМ	5%:: 2%	1/wk, 1/mo	50 m :: Cryo/L	N/A :: Sfc
Barron	Soil Composition	2795						10% :: 5%	I/mission	30 m :: Landl	N/A :: Sfc
			HIRIS	AM2	Rowan, Clark	2766	¥γ	10% :: 5%	1/scas	30 m :: Land/L	N/A :: Sfc
			HTRIS	AM2	Rowan, Clark	2772	ΨV	10%:: 5%	1/scas	30 m :: Land/L	N/A :: Sfc
			HIRIS	AM2	Rowan, Clark	2776	ΑM	10% :: 5%	l/seas	30 m :: Land/L	N/A :: Sfc
			HIRIS	AM2	Rowan, Clark	2784	AM	10% :: 5%	1/scas	30 m :: Land/L	N/A :: Sfc
Ватон	Soil Extent	5299						57::57	llyr	30 m :: LandiL	N/A :: Sfc
			HIRIS	AM2	Wessman	2644	¥	10%:: 10%	1/(2-16 day)	30 m :: Lend/L	N/A :: Sfc
Ватон	Soil Proportion, Bare	2787						5 :: 5	liseas	30 m :: LandlL	N/A :: Sfc
			HIRIS	AM2	Ustin, Wessman	2741	BM	20% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			HIRIS	AM2	Ustin ct al	2746	ΨV	20% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			HIRIS	AM2	Wesman	2644	Æ	10%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Ватон	Suspended-Solids Conc, Lake Water	2804		-				25% ::		10 km :: LandiR-Lakes	NIA :: Sfc
			HIRIS	AM2	Carder, Melack	3315	BM	100% :: 50%	(>=2)/day	30-90 m :: Occan/L+Land/Lakes	
Barron	Temperature Profile	1565						1 K :: 0.5 K	1/day	10 km :: R	
			TES	CHEM	Beer	1614	ΨV	:: 2 K	1/(16 day)	16 x 5 km :: G	1 km, 4-6 km :: 0-12 km
Bæron	Vegetation Biomass, Dead	2612						25% :: 15%	Ilmission	30 m ∷ L	NIA :: Sfc
			HIRIS	AM2	Ustin, Wessman	7614	ВМ	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Barron	Vegetation Biomass, Dead	2613						25% :: 15%	11 mission	10 km :: R	NIA :: Sfc
			HIRIS	AM2	Ustin, Wessman	2614	BM	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Barron	Vegetation Biomass, Green	2615						25% :: 15%	Ilmission	30 m :: L	N/A :: Sfc
			HIRIS	AM2	Ustin, Wessman	2620	BM	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Ватон	Vegetation Biomass, Green	2616		*				25% :: 15%	Ilmission	10 km :: R	NIA :: Sfc
			HIRIS	AM2	Ustin, Wessman	2620	ВМ	30% :: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Ватон	Vegetation Extent	27.15				8		57::57	11/7	30 m :: LandiL	NIA :: Sfc
			HIRIS	AM2	Ustin, Wessman	2741	ВМ	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Ватон	Vegetation Index, Leaf Area, (LAI)	2675						0.5::0.2	1/day	30 m :: Land/L	NIA :: Sfc
			HIRIS	AM2	Ustin et al	2746	WΥ	20% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Ватон	Vegetation Structure	2639						The state of the s	liseas	30 m :: Land/L	NIA :: Sfc
			HIRIS	AM2	Ustin	2656	ΨV	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			HIRIS	AM2	Ustin	2657	W	40%:: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Ватон	Vegetation Structure	2640							l/seas	10 km :: LandiR	NIA :: Sfc
			HIRIS	AM2	Ustin	2656	W	40%:: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			HIRIS	1	Ustin	2657	Ą	40%:: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			HIRIS	AM2	Ustin, Wessman	2741	ΨV	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Ватгол	Vegetation Type	2728						57::57	llyr	10 km :: LandIR	NIA :: Sfc
	He designation of the second s		HIRIS	AM2	Wessman	2644	W	10%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Barron	Vegetation Type	5729			Ī			57:::57	llyr	30 m :: Land/L	NIA :: Sfc
			HIRIS	AM2	Wessman	2644	BM	10%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc

Appendix N: IDS Input Requirements Not Met until Year 2001

Proof # Instit Proo		IDS Innet Date December	1	FOS Instrume	ent Outrut Date Product	Product	-	Accurace	Temporal	Horizontal	Vertical
Vigorian Type Boundaria TSP HURS ACC Non-Time of the Principal (Principal Principal P			=	Platfor	Investigator	Prod#	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Hillis AAQ Weeners 1944 AN 100-5-104 100-104	Ватон							30 m ::	II(3 mo)	30 m :: Land/L	NIA :: Sfc
Fig. 10 Fig.			HIRE		Wessman	2644	BM	10%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Fig. 10 Fig. 20 Fig.			HIRL	-	Ustin et al	2746	ΨV	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Trick of the part 150 Trick of the part 110 Trick of the par	Ватол							1 m/s,? :: 1 m/s,?	Ilday	10 km :: Ocean/R	NIA :: Sfc
House Vising # 1975 House			STIKSC		Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
STREACH CIEBN Fields 1679 BM 17th 649 11Cl day) 14d (12coun) 15d (1	Ватон							I mis,? .: I mis,?	llday	100 km :: Ocean	NIA :: Sfc
The control Layer Boundary 1913 THENCAY CHEN 1640 AM 1904, 1664 110 day) 230 base		ì	STIKS		Freilich	1679	BM	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near_Sfc
Actoriol Lype Boundary 1913 CHEA ALT Solutione of a 1014 BM 170 m; 10(216 day) 2.200 km; G 1			STIKS	1	Freilich	1680	νw	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
Closed Force TOTAL Spenime ed 104 BM 150 m; 1411/4 des) 102 des; 102 des	Bates		ı					75 m ::		2-200 km :: G	75 m :: Atmos
Chear Cover, Crass 100 Chear Cover, Crass			<u> </u>	_	Spinhime et al	1014	BM	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Atmos
Thirding Closed Cover Circuit Closed Cover Circuit Closed Circuit Cover Circuit Cover Circuit Circui	Bales								11(1-3 day) [few day]	100 km :: G	I km :: Atmos
Cloud Cone, Crival 1000 AM AM 0.02 1100 Hough 1100 Hough Cloud Cone, Crival Cloud Cone, Crival 2000 AM 590 Hough AM 175 mm 1102 Hough 1100 Hough Cloud Cone, Crival Cloud May Name 2001 AM 570 mm AM 175 mm 1102 Hough 1100 Hough Cloud Might, Rate 2001 Club, A. ALT Spinithme 4100 AM 75 mm 1102 Hough 1100 Hough Cloud Might, Rate 188 ALT Spinithme et al. 199 AM 75 mm 1102 Hough 1100 Hough Cloud Might, Sougher 189 ALT Spinithme et al. 199 AM 75 mm 1102 Hough 1100 Hough Cloud Might, Sougher 180 ALT Spinithme et al. 199 AM 75 mm 1100 Hough 1100 Hough Cloud Might, Cone 180 ALT Spinithme et al. 199 AM 75 mm 1102 Hough 1100 Hough Cloud Might, Might, Cone 180 ALT Spinithme et al. 199 A			1	_	Barnett, Gille	1992	BM	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-30 km
Cloud Hight, Baset 100 AM AM 502::: 10,216.697) 11,010 m:s G Cloud Ligh, Water 2017 ALT Spinkine 410 AM 15m::: 10,216.697) 21,010 m:s G Cloud Ligh, Rast 2017 ALT Spinkine 410 AM 15m::: 10,01.66 10,216.697) 11,010 m:s G Cloud Hight, Cloud 100 ALT Spinkine 1400 AM 0.03:: 0.03 110,16 m:s G 10,200 m:s G Cloud Hight, Cloud 100 ALT Spinkine 1400 AM 17m::: 110,00 m:s G 10,216.697) 10,216.697) 10,216.697 10,210 m:s G Cloud Hight, Cloud 100 ALT Spinkine 1100 AM 17m::: 110,00 m:s G 10,216.697) 10,210 m:s G Cloud Hight, Cloud 1100 ALT Spinkine 1100 AM 17m::: 110,00 m:s G 10,216.697) 10,210 m:s G Cloud Hight, Cloud 1100 ALT Spinkine 1100 AM 17m::: 110,00 m:s G 110,00 m:s G Cloud Hight, Cloud 1100	Bates		ľ						1/day	100 km :: G	0.5 km :: Trop
Class A. Al. Spinstone 1400 AM 15m; 10,216 day) 10,100 to 10 10,000 to 10,000 to 10,			1	L	Spinhime	1410	₹	0.2 ::	1/(2-16 day)	1-10 km :: G	75m::
Cloud Fleight, Stand Cover, Circuit Light			GLRS	L	Soinhime	1400	¥	75m::	1/(2-16 day)	.2-10 km :: G	75 m ::
Cloud Ever, Crival 2077 CLISA ALT Spiniture 1410 AM 75 m.:. 1100 Hours 1100 miss Cloud Height, Boate 1183 ALT Spiniture 1410 AM 75 m.:. 11751 day) 1100 miss Cloud Height, Boate 1183 ALT Spiniture 1410 AM 75 m.:. 11751 day) 210 miss Cloud Height, Cirval 183 ALT Spiniture et al. 1410 AM 75 m.:. 11751 day) 210 miss Cloud Height, Stradform 1405 ALT Spiniture et al. 1400 AM 75 m.:. 11751 day) 210 miss Cloud Height, Stradform 1406 ALT Spiniture et al. 1400 AM 75 m.:. 11751 day) 15 lon.:: Cloud Height, Stradform 1400 ALT Spiniture et al. 1400 AM 75 m.:. 11751 day) 15 lon.:: Cloud Height, Stradform 184 ALT Spiniture et al. 140 AM 175 m.:. 175 day 175 day </td <td></td> <td></td> <td>GLRS</td> <td>\perp</td> <td>Spinhime</td> <td>2078</td> <td>¥</td> <td>1%::</td> <td>1/(2-16 day)</td> <td>10-200 km :: G</td> <td>N/A::</td>			GLRS	\perp	Spinhime	2078	¥	1%::	1/(2-16 day)	10-200 km :: G	N/A::
Class A.L. Spieline 1 100	Rates		133					0.05 :: 0.025	21day [d.n.]	15 x 45 bm :: G	N/A :: Cloud
Close Alta Spinitive and a late 1400 AM 15m; 1/216 day)			1		Spinhime	1410	¥	0.2::	1/(2-16 day)	1-10 km :: G	75 m ::
CLESA ALT Spiniture at a 139 AM 15 m; 100 mb 1			GLRS	L	Spinhime	1400	¥	75m::	1/(2-16 day)	.2-10 km :: G	75m::
Cloud Height, Boart 1803 ALT Spinding et al. 1389 AM ::100 mb 1016 day) 2.100 km: G Cloud Height, Boart 1601 CLRSA ALT Spinding et al. 1389 AM 500 m:: 1026 day) 2.100 km: G Cloud Height, Stransform 1400 ALT Spinding 1400 AM 75 m:: 102-16 day) 1.10 km: G Cloud Liq water Content 1400 CLRSA ALT Spinding 1400 AM 75 m:: 102-16 day) 1.10 km: G Cloud Liq water Content 1400 CLRSA ALT Spinding 1400 AM 7.5 m:: 1.10 km: G 1.10 km: G Cloud Liq water Content 1894 ALT Spinding 1400 AM 7.5 m:: 1.10 km: G 1.10 km: G Cloud Liq water Content 1894 ALT Spinding AM 7.5 m:: 1.10 km: G 1.10 km: G <td< td=""><td>_</td><td></td><td>GLRS</td><td>L</td><td>Spinhime</td><td>2078</td><td>¥</td><td>1%::</td><td>1/(2-16 day)</td><td>10-200 km :: G</td><td>N/A ::</td></td<>	_		GLRS	L	Spinhime	2078	¥	1%::	1/(2-16 day)	10-200 km :: G	N/A ::
Class	Rates		23					:: 100 mb		25 km :: G	100 mb :: Cloud
Cloud Height, Cirus 1001 ALT Spinitum 1400 AM 500 m:: 1401 pm:: CDR-SA ALT Spinitum 1410 AM 500 m:: 1402 lody 11(2) 16 day) 1-101 bm:: CDR-SA ALT Spinitum 1400 AM 50 m:: 14(2) 16 day) 2-101 bm:: CDR-SA ALT Spinitum 1400 AM 50 m:: 14(2) 16 day) 2-101 bm:: CDR-SA ALT Spinitum 1400 AM 55 m:: 14(2) 16 day) 2-101 bm:: 2-1			1_	_	Spinhime et al	1389	¥	75m::	1/(2-16 day)	.2-100 km :: G	75 m :: Cloud
Clues	Rates							\$00 m ::	2/day	50 km :: G	NIA :: Cloud
Cloud Heigh, Seadorm 1406			1_	L	Spinhime	1410	¥	0.2 ::	1/(2-16 day)	1-10 km :: G	75 m ::
Cloud Height, Soundorm 1809 ALT Spinhime 1400 BM 50 m:: 20dpy 310 bm::G Cloud Lig water Content 1894 MLS ALT Spinhime 1400 BM ::75% 11(6 kg) 17.14 dg::G Cloud Lig water Content 1894 MLS MO Winter 1898 AM ::75% 11(d kg) 17.14 dg::G 17.14 dg::G Cloud Optical Depth 2004 MLS ALT Spinhime et al. 2006 AM 0.14 mile 17.14 dg::G			GLRS	L	Spinhime	1400	M	75 m ::	1/(2-16 day)	.2-10 km :: G	75 m ::
Cloud Ling ward Content 1804 ALT Spinkline of 11 1400 BM 75 m : 75% 11(0.16 day) 2.10 Lm : C. Cloud Optical Dophly MLS MC Wiscal 1898 AM : 75% 11(day) 15.x51 m : G. Cloud Optical Dophly CLOUR Content 1809 ALT Spinkline et al. 2306 AM 0.04 m Lm :: S. 11(day) 15.x51 m :: G. Cloud Optical Dophly 1809 ALT Spinkline et al. 2306 AM 0.04 m Lm :: S. 11(day) 15.x51 km :: G. Geopotenial Height Gradient 1400 MLS ALT Spinkline et al. 2306 AM 0.04 m Lm :: G. 24day 4.x4 dg :: G. 2.200 km :: G. HZO Cone HIRDLS CHEM Barnet, Gille 1500 AM 5.10% :: L10% 2.04y [dar] 4.x4 dg :: G. HZO Cone HZO Cone HIRDLS CHEM Barnet, Gille 1535 AM 5.10% :: L10% 2.04y [dar] 4.x4 dg :: G. ALT HIRDLS CHEM Barnet, Gille 1535	Rates		222					S0 m ::	2/day	50 km :: G	NIA :: Cloud
Count Lie, water Content 1894 MLS MO Waters 1894 AM ::75% 11(6 k) 1 x 1 dg ::G Count Dailed Lie, water Content 2304 MLS ALT Spinitime et al. 2008 AAM 0.11:: 1/day [i.mean] 0.13 x 45 km ::G Count Dayload Depth 1499 ALT Spinitime et al. 2008 AAM 0.01:: 2/day 4 x 4 dg ::G Groporential Heigh Gradiere 1499 HIRDLS CHEM Berneat, Gile 180 AA 2/day [d.n] 4 x 4 dg ::G HIRDLS CHEM Berneat, Gile 1837 AM ::G*Cool Cool Cool Cool Cool Cool Cool Cool			1		Spinhime	1400	BM	75 m ::	1/(2-16 day)	.2-10 km :: G	75 m ::
Cloud Opicial Daph 2304 MLS MO Wuters 1898 AM .:5% 1/day [t. mean] 0.1 x 2.5 dg: 82.N 8.2.5 Cloud Opicial Daph 2304 GLRSA ALT Spinhime et al 2308 AM 0.04m/m:: 0.04m/m:: 0.2day [d.n.] 4 x 4 dg: 0.0 HIRDIS CHEM Brimed, Gille 1800 BM 0.04m/m:: 0.04m/m:: 0.04m/m:: 0.04m/m:: 0.2day [d.n.] 4 x 4 dg: 0.0 HIRDIS CHEM Brimed, Gille 1809 AM .:5% (20-80 km) 1/(3-72-gl:) 23 x 2.5-5 dg: 850-85 HIRDIS CHEM Brimed, Gille 1819 AM .:5% (20-80 km) 1/(3-72-gl:) 23 x 2.5-5 dg: 850-86 HIRDIS CHEM Brimed, Gille 1319 AM .:5% (10-70 km) 1/(3-72-gl:) 23 x 2.5-5 dg: 850-86 Author High Along Pack 3128 ALT ALT Fu 3129 AM .:5% (10-70 km) 1/(16-dy) 0.1 x 2.5 dg: 868-86 Author High Along Pack 3128 ALT ALT Fu 3129 AM .:5% (10-70 km) 1/(18-72-gl:) 17 km: 0 cean may wee High Along Pack 3128 ALT ALT Fu 3129 AM .:5% (10-70 km) 1/(18-72-gl:) 17 km: 0 cean may wee High Along Pack 3129 ALT ALT Fu 3129 AM .:5% (10-70 km) 1/(18-72-gl:) 17 km: 0 cean may wee High Along Pack 3129 ALT ALT Fu 3129 ALT AL	Rates			L				:: 75%	11(6 hr)	1 x 1 dg :: G	by :: 0-30 km
Cloud Optical Depth 1304 ALT Spinbine et al 2306 AM OLI :: 24day 1675 bit: 200 km: G Geopotenial Height Graticut 1499 HIRDLS CHEM Bernett, Gille 1500 BM 0.04m/km::: 24day 4x4 dg:::G H2O Conc HRDLS CHEM Bernett, Gille 1537 BM 5.10%::::1.10% 2/day [dar] 4x4 dg::G H2O Conc HRDLS CHEM Bernett, Gille 1837 AM ::1.6%:::1.10% 2/day [dar] 4x4 dg::G H2O Conc MLS MO Ruseell 1837 AM ::1.6%::1.10% 2/day [dar] 0.1x2.5 dg::BSN-825 SAFIRE MO Ruseell 1837 AM ::1.6%::1.10% 2/day [dar] 0.1x2.5 dg::BSN-825 AGEOW Water Height 1305 AM ::1.6%::1.10% 2/day [dar] 0.1x2.5 dg::BSN-825 AGEOW Water Height 1305 AM ::1.6%::1.10% 2/day [dar] 0.1x2.5 dg::BSN-825 AGEOW Water Height 1305 AM ::1.6%::1.10% 2/	3		1_		Waters	1898	¥	.: 5%	1/day [2. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: Upper Trop
Geopotential Height Gradient 1999 ALT Spinktime et al 2306 AM 0.1:: 24day 4.x 4 dg.: G HRDLS CHEM Barnett, Gille 180 BM 5.10%.:: 1.5% 24day 4.x 4 dg.: G HRDLS CHEM Barnett, Gille 1837 AM 5.10%.:: 1.5% 24day 4.x 4 dg.: G HRDLS CHEM Barnett, Gille 1839 AM 5.10%.:: 1.5% 24day 4.x 4 dg.: G ALT FIRDLS CHEM Barnett, Gille 1839 AM 5.5% c30.em 24day 4.x 4 dg.: G ALT FIRDLS CHEM Barnett, Gille 1839 AM 5.5% c30.e0 km) 1/(6.52.9)*[3] 2.x 2.5 dg.:: 82N-82S ALT ALT Barnett, Gille 1839 AM 5.0% c30.e0 km) 1/(16.40) 0.1 x 2.5 dg.:: 82N-82S ALT ALT Barnett, Gille 1319 AM 6.3% c30.e0 km) 1/(16.40) 0.1 x 2.5 dg.:: 82N-82S ALT ALT ALT ALT ALT ALT	Raise			H					Ilday	15 x 45 km :: G	N/A :: Cloud
Geopotential Heigh Gradieut 1499 HRDLS CHEM Barnett, Gille 1500 BM 0.04m/km 2/day [d.n] 4 x 4 dg :: G H2O Cone HRDLS CHEM Barnett, Gille 1500 BM 0.04m/km 2/day [d.n] 4 x 4 dg :: G H2O Cone HRDLS CHEM Barnett, Gille 1838 AM :: 276 -50m 2/day [d.n] 0.1 x 4 dg :: G SAFIRE MO Wascill 1839 AM :: 576 -50m 2/day [d.n] 0.1 x 2 5 dg :: 82A-82S O3 Conc TES CHEM Besc 1833 AM :: 576 -50m 2/day [d.n] 0.1 x 2 5 dg :: 82A-82S O3 Conc TES CHEM Besc 1833 AM :: 576 -50m 2/day [d.n] 0.1 x 2 5 dg :: 82A-82S MLS MO Walers 1319 AM <: 1.056	3		1	_	Spinhime et al	2308	ΨV	0.1 ::		2-200 km :: G	N/A :: Cloud
HIRDLS CHEM Barnett, Cille 1800 BM 0.04m/km 2/day [d.n] 4x4 dg :: C HIRDLS CHEM Barnett, Cille 1837 BM 5.10% :: 1-10% 2/day [d.n] 4x4 dg :: C HIRDLS CHEM Barnett, Cille 1837 AM :: 2% <50cm 2/day [d.n] 0.1 x 2.5 dg :: 82N-83.5 SAFIRE MO Russell 1839 AM :: 5% (20.80 km) 1/(36-72.4)? 2/day [d.n] 0.1 x 2.5 dg :: 82N-83.5 HIRDLS CHEM Barnett, Cille 1318 AM :: 0.5 pm 1/(16 day) 1/(36-72.4)? 2/day [d.n] 4x4 dg :: C ALT ALT Ru 3129 AM :: 5% (10.70 km) 1/(1872.4)? 2/day [d.n] 0.1 x 2.5 dg :: 80x-80N ALT ALT Ru 3129 AM :: 5% (10.70 km) 1/(1872.4)? 2/day [d.n] 0.1 x 2.5 dg :: 80x-80N ALT ALT Ru 3129 AM >-5 m,10% :: 0.9 m 7 km :: 0 cean Alt ALT ALT Ru 3129 BM >-5 m,10% :: 0.9 m 7 km :: 0 cean Alt ALT ALT Ru 3129 BM >-5 m,10% :: 0.9 m 7 km :: 0 cean Alt ALT ALT Ru 3129 BM >-5 m,10% :: 0.9 m 7 km :: 0 cean Alt Alt ALT ALT Ru 3129 BM >-5 m,10% :: 0.9 m 7 km :: 0 cean Alt Alt ALT ALT Ru 3129 BM >-5 m,10% :: 0.9 m 7 km :: 0 cean Alt Alt ALT ALT Ru 3129 BM >-5 m,10% :: 0.9 m 7 km :: 0 cean Alt Alt ALT ALT Ru 3129 BM >-5 m,10% :: 0.9 m 7 km :: 0 cean Alt ALT ALT ALT Ru 3129 BM >-5 m,10% :: 0.9 m 7 km :: 0 cean Alt Alt ALT	Rates		F					0.04m/km ::	2/day	D:: 8p + x +	I-15 km :: Asmos
HID Conc HID IS CHEM Barnett, Gille 1836 AM \$-10%-: 1-10% 2/day [d.n] 4 x 4 dg:: G MLS MLS MO Walers 1838 AM ::2% -50km 2/day [d.n] 0.1 x 2.5 dg:: 87N-82S ALT MLS MO Russell 1839 AM ::2% -50km 2/day [d.n] 0.1 x 2.5 dg:: 87N-82S ALT TES CHEM Becer 1839 AM ::2% -50km 2/day [d.n] 0.1 x 2.5 dg:: 87N-82S AND RESCHIE MO Walers 1843 AM ::3% (10-00 km) 1/(16 dy) 160 x 2.1 kg:: 80-8kH AND AND Walers 1319 AM ::3% (10-00 km) 1/(16 dy) 0.1 x 2.5 dg:: 80-8kH AND Walers 1319 AM ::3% (10-00 km) 1/(16 dy) 0.1 x 2.5 dg:: 80-8kH AND Walers 1319 AM ::3% (10-00 km) 1/(18-72 s) [7] 25 x 2.5 5 dg:: 80-8kH AND Walers 13129 AM ::5% (10-00 km) 1/(18-72 s) [7]			1_	-	Barnett, Gille	1500	BM	0.04m/km :: 0.04m/km	2/day [d.n]	4x4dg::G	1 km:: 15-80 km
HINDLS CHEM Brincet, Gille 1837 BM S-10%:: 1-10% 2ddy [d.n.] 414 dg: G G G G G G G G G G	Bates							5-10% :: 1-5%	2/407	4x4 dg :: G	1-1.5 km :: 10-80 km
ALT MLS MO Waters 1838 AM :: 2% -50km 2day [d.n.] 0.1 x 2.5 dg :: 82N-82S SAFIRE MO Russell 1839 AM :: 2% -50km 1/(36-72 s) [?] 25 x 2.5 5 dg :: 85N-82S TES CHEM Beer 1843 AM :: 0.5 ppm 1/(16-72 s) [?] 25 x 2.5 5 dg :: 85N-86N HIRDLS CHEM Bernett, Gille 1318 BM \$-10% :: 1-10% 2/day 4 x 4 dg :: G MLS MO Waters 1319 AM <-3 % :: 1% (-50km)			1	-	Barnett, Gille	1837	BM	5-10%:: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-80 km
SAFIRE MO Russell 1839 AM :: 5% (20-80 km) 1/(36-72 s) [?] 25x 25.5 dg :: 86S-86N O3 Conc 1303 TES CHEM Beer 1843 AM :: 0.5 ppm 1/(16 day) 160x 23 km :: G O3 Conc 1305 HIRDLS CHEM Bernett, Gille 1318 BM \$-10% :: 1.10% 2/day [d.n] 4 x 4 dg :: G MLS MO Waters 1319 AM <-3 % :: 1% (<50km)			M		Waters	1838	W	:: 2% <50km	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 100 km
TES CHEM Beer 1843 AM ::0.5 ppm 1/10 day 160 x 23 km :: G O3 Conc 03 Conc 1305 CHEM Barnett, Gille 1318 BM \$-10% :: 1-10% 2/day 4 x 4 dg :: G MLS MLS MO Waters 1319 AM <-3 % :: 1% (<50km)			SAFI	L	Russell	1839	ΨV	:: 5% (20-80 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-100 km
O3 Conc 1305 HIRDLS CHEM Barnett, Gille 1318 BM \$-10%:::1-10% 2/day [d.n] 4 x 4 dg:: G MLS MLS MO Waters 1319 AM <-3 %::1%(<50km)			E	_	Все	1843	νW	:: 0.5 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
HIRDLS CHEM Barnett, Gille 1318 BM S-10%::1-10% 2/day [d.n.] 4 x 4 dg :: G MLS MO Waters 1319 AM <-3 % :: 1%(-50km) 2/day [d.n.] 0.1 x 2.5 dg :: 82N-82S SAFIRE MO Russell 1320 AM :: 5% (10-70 km) 1/(18-72 s) [?] 25 x 2.5 -5 dg :: 86S-86N SAFIRE MO Russell 1320 AM :: 5% (10-70 km) 1/(18-72 s) [?] 25 x 2.5 -5 dg :: 86S-86N ALT ALT Ru 3129 AM >-5m,10% :: 7 km :: Ocean ALT ALT Ru Ru 3129 BM >-5m,10% :: 7 km :: Ocean ALT ALT Ru Ru 3129 BM >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru Ru 3129 BM >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru 3129 BM >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT ALT ALT ALT Ru 3129 Ru >-5m,10% :: 7 km :: Ocean ALT	Bates		2					S-10% :: 1-5%	2/day	9 :: \$p p x p	1-1.5 km :: 10-80 km
MLS MO Waters 1319 AM <= 3%:1%(<50km) 2/day [d.n] 0.1 x 2.5 dg::82N-82S Ocean Wave Height 3126 MO Russell 1320 AM :: 5% (10-70 km) 1/(18-72 s) [?] 2x 2.5-5 dg::85N-85S ALT ALT Fu 3129 AM >.5m,10%::: 7km:: 7km:: Ocean Ocean Wave Height, Along-track 3128 ALT Fu Fu Fu >.5m,10%::: 7km:: Ocean ALT ALT Fu Fu >.5m,10%::: 7km:: Ocean 7 km:: Ocean			HIRD	_	Barnett, Gille	1318	BM	\$-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-80 km
SAFIRE MO Russell 1320 AM :: 5% (10-70 km) 1/(18-72 s) [?] 25 x 2.5-5 dg :: 86N-86N Ocean Wave Height ALT ALT Fu 3129 AM >.5m,10% :: 7 km :: Ocean Ocean Wave Height Along-track 3128 ALT Fu 3129 AM >.5m,10% :: 7 km :: Ocean ALT ALT ALT Fu 3129 BM >.5m,10% :: 7 km :: Ocean			M		Waters	1319	¥	<= 3% :: 1%(<50km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: TPSE, 110 km
Ocean Wave Height 3126 ALT Ru 3129 AM >5m,10% :: 11day 50-75 m :: Ocean Ocean Wave Height, Along-track 3129 ALT Ru 3129 BM >5m,10% :: 7 km :: Ocean			SAFI		Russell	1320	ΨV	:: 5% (10-70 km)	1/(18-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	1.5-3 km:: 10-100 km
ALT ALT Fu 3129 AM >-5m,10% :: 7km :: Ocean Ocean Wave Height, Along-track 3128 ALT Fu 3129 BM >-5m,10% :: 7km :: Ocean 7km :: Ocean	Bater		9					20% :: 20%	liday	50-75 m :: Ocean	NIA :: Sfc
Ocean Wave Height, Along-track 3128 ALT ALT Fu 3129 BM >5m,10% :: 7 km :: Ocean 7 km :: Ocean			ΨF	Н	Æ	3129	VΨ	>.5m,10% ::		7 km :: Ocean	N/A :: Sfc
ALT ALT Fu 3129 BM >-5m,10%; : 7km::Ocean	Bates		8					> Sm.10% ::		7 km :: Ocean	NIA :: Sfc
-		,	\ \	L	æ	3129	BM	>.5m,10% ::		7 km :: Ocean	N/A :: Sfc

Appendix N: IDS Input Requirements Not Met until Year 2001

	IDS Input Data Product		505	FOE Instrument	ont Outrant Date Bendung	100	 				
Investigator	Product Name	Prod#	٣	Platform	m Investigator Prod # Match	Prod #	Match	Accuracy Abs :: Rel	Resolution	Resol :: Cover	Vertical Recol :: Cover
Bates	PBL Height	1512						75 m.::		2-200 km :: G	75 m Trop
			GLRS-A	ALT	Spinhime et al	1514	BM	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Trop
Bates	Sea Level Height, Along-track	3111						10 cm ::		7 km :: Ocean	N/A :: Sfe
			ALT	ALT	æ	3112	BM	10 cm ::		7 km :: Ocean	N/A :: Sfc
Bates	Temperature Profile	1269						:: 1-2 K		1.8 x .16 dg :: G	3 km :: 20-60 km
			HIRDLS	CHEM	Bernett, Gille	9091		1K;2K>50km:: 0.3K;1K>50km	2/day [d,n]	4x4dg::G	1 km :: 7-80 km
		_	CGI	ALT	Melbourne	9091	₹	1 K :: 1 K	700 ret/day	1-200 km :: G	1 km :: 2-5/50-60 km
		_	IDD	ALT	Melbourne	1605	¥	1 K :: 1 K	700 ret/day	1-200 km :: G	1 km:: 5 - 50 km
		_	MLS	οW	Waters	6091	₹	:: 2K <100km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 120 km
			SAFIRE	MO	Russell	1610	AM	:: <0.5K(16-65 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-110 km
Bates	Temperature Profile	1570						1K;2K>50km :: 3;1K>50km	2/day	4x4dg :: G	1-15 km :: 10-80 km
		_	HIRDLS	CHEM	Barnett, Gille	1608	BM	1K;2K>50km:: 0.3K;1K>50km	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km
		_	SAFIRE	MO	Russell	1610	₩	:: <0.5K(16-65 km)	1/(18-72 s) [7]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-110 km
			MLS	МО	Waters	1609	ΑM	:: 2K <100km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2] :: TPSE, 120 km
Bates	Tropopause Height, Aerosol located	1642						75 m ::		200 km :: G	75 m :: Trop
			GLRS-A	ALT	Spinhime et al	1014	BM	150m::	1/(2-16 day)	2-200 km :: G	75 m :: Atmos
Bates	Vegetation Index, Leaf Area, (LAI)	9292							IImo	60 m :: Land	N/A :: Sfe
			HIRIS	AM2	Ustin et al	2746	¥	20% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Bates	Wind Stress	1742		-						:: Ocean	3/5::
			STIKSCAT	CHEM	Freilich	1746	M			:: Ocean	:: Sfc
Ваез	Wind Velocity, Geostrophic	1685						2 m/s ::	2/400	4x4de :: G	1-1 S bm : Atmos
			HIRDLS	CHEM	Barnett, Gille	1687	BM	3 m/s :: 3 m/s	2/day [d,n]	4×4 dg :: G	1 km :: 7-80 km
Bates	Wind Velocity, Sea sfc	1658						:: 10%; 20 dg		25 km :: Ocean	N/A :: Near stc
			STIKSCAT	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near Sfc
Brewer	Gelbstoff Absorption Coef@300nm	3213						50% :: 10%	Ilday, Ilseas	30 m :: OceanL	N/A :: T00
			HIRIS	AM2 (Carder, Melack	3215	BM-	50% :: 25%	1/(2 day) [d]	30-90 m :: Ocean-I/L	N/A:: TOO
Brewer	Gelbstoff Absorption Coef@300nm	3214						50% :: 10%	Ilday, Ilseas	20 km :: Ocean	N/A :: TOO
		_	HIRIS	AM2	Carder, Melack	3215	BM-	50% :: 25%	1/(2 day) [d]	30-90 m :: Ocean-1/L	N/A :: TOO
Brewer	Irradiance, UV Solar	2275						20% :: 5%	Ilday, Ilseas	30 m :: Ocean!	
			SOLSTICE	МО	Rottman	2278	BM	<5%::<1%	.₩	N/A :: N/A	N/A:: NA
			SOL STICE	МО	Rottman	722	BM	<5%::<1%	1/4	N/A:: N/A	N/A:: NA
Brewer	Irradiance, UV Solar	2276						20% .: 5%	Ilday, Ilseas	20 km :: Ocean	
			SOLSTICE	WO	Rottman	2278	BM	<5%::<1%	1/hr	N/A:: N/A	N/A:: NA
			SOLSTICE	œ W	Rottman	777	BM	<5%::<1%	1/4	N/A:: N/A	N/A:: NA
			SOLSTICE	Q	Rottman	2398	À.		1/hr	2 dg :: G	l km :: Mid_atm
Brewer	Land sfc Reflectance, Directional	2427						3%::1%	Ilday, Ilseas	22 km :: OceanL	NIA :: Sfc
			HIRIS	AM2	Gersti	2035	¥	5%:: 5%	1/(16 day)	30 m :: Land/L	N/A :: Sfc
Brewer	Level-1B Backscatter, STIKSCAT	2097						10% :: TBD	Ilday, Ilseas	25 km :: Ocean	N/A :: Sfc
		Ī	STIKSCAT	CHEM	Freilich	2108	BM	:: 0.25 dB		25 km :: G	N/A:: Sfc
Brewer	Level-2 Radiance, Water-leaving	2414						10% :: TBD	Ilday, Ilseas	30 m :: OceanIL	N/A :: TOO
			HIRIS	AM2	Goetz	2370	BM				
Brewer	Ocean Productivity, Primary	2600						50% :: 5%	IIday, IIseas	30 m :: Ocean/L	N/A :: T00
			HIRIS	AM2	avis, Melack et a	1092	Æ	100% :: 50%	1/(>=2 day)	30-90 m :: Ocean/L	N/A :: T00
Brewer	Organic Carbon Conc, Dissolved	2992						100% :: 10%	IIday, IIseas	30 m :: OceanL	NIA:: TOO
			HIRIS	AM2	Carder, Melack	3314	MM MM	100% :: 50%	(>=2)/day	30-90 m :: Ocean/L+Land/Lakes	N/A:: TOO
Brewer	Sea Level Height	3106						5%:: 1%	Ilday, Ilseas	7 km :: Ocean	NIA :: Sfc
		1	ALT	ALT	£	3112	BM	10 cm ::		7 km :: Ocean	N/A :: Sfc

Appendix N: IDS Input Requirements Not Met until Year 2001

Investigator Product Name Brewer Sea Level Height Ciblar Vegetation Reflectant Ciblar Vegetation Structure Ciblar Vegetation Type Dickinson Albedo, Cloud Dickinson Albedo, Snow Dickinson Cloud Drop Size-dis Dickinson Cloud Drop Size-dis Dickinson Cloud Deptle Dickinson Cloud Dickinson Cloud Deptle	Product Name Sea Lew! Height Vegetation Reflectance, Bi-directional, (BRDF) Vegetation Structure	3106	Instr.	Platform Investigator Prod # Match	ote Diotform Investigator Dead #	Prod #	Match	A 1		Deen :: Couse	
NO NO NO NO NO NO NO NO NO NO NO NO NO N	Heigh Reflectance, Bi-directional, (BRDF) Structure	3106			In vestigator	3		708 :: KG	Resolution	Mesol :: Cover.	Kesol :: Cover.
NO: NO: NO: NO: NO: NO: NO: NO: NO: NO:	Reflectance, Bi-directional, (BRDF) Structure		ALT	ALT	£	3108	BM	Scm et al ::	1/(16 day)	25 km :: Ocean	N/A :: Sfc
NOS NOS NOS NOS NOS NOS NOS NOS NOS NOS	Structure	96. 7.						0.05 :: 0.001	I wk (for I yr)	:: Canada'R	N/A :: Sfc
NOS NOS NOS NOS NOS NOS NOS NOS NOS NOS	Structure		HIRIS	AM2	Gerstl	2035	AM	5%:: 5%	1/(16 day)	30 m :: Land/L	N/A :: Sfc
nos nos nos nos nos nos nos nos nos nos		3502								I km :: Canada'R	NIA :: Sfc
nos nos nos nos nos nos nos nos nos nos		1	HIRIS		Ustin	2656	BM	40%:: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
nos nos nos nos nos nos nos nos nos nos			HIRIS	AM2	Ustin, Wessman	2741	AM	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
	. J.be	3504						15% :: 15%	ONCE	100 m :: Canada/R	N/A :: Sfc
			HIRIS	AM2	Wessman	2644	BM	10%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			HIRIS	AM2	Ustin et al	2746	AM	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
	pnq	1988								<0.5-1 deg :: G	
	:		HIRIS	AM2	Welch	2008	BM	5%:: 5%		90 m :: R	:: Cloud
	MOT	3364								High res :: Land	
			HIRIS	AM2	Dozier	2440	BM	5%:: 1%	1/wk, 1/mo	50 m :: Land/L	N/A:: Sfc
		3325									
			TES	CHEM	Beer	1129	ΑM	agd E ::	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
	Cloud Drop Size-distribution	3348								S :: 80 1-5.0>	
			HIRIS	AM2	Welch	1776	ВМ	20%:: 10%	1/(2-16 day)	30 m :: L	:: Clond
	Cloud Liq-water Content	3357						* * * * * * * * * * * * * * * * * * *		5 :: 8 ap 1-5-0>	
			MLS	МО	Waters	1898	AM	:: 5%	1/day [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: Upper Trop
	Cloud Optical Depth, SW	3382								5 :: Nap 1-50>	
			GLRS-A	ALT	Spinhirne et al	2308	ΨV	0.1 ::		2-200 km :: G	N/A:: Cloud
Dickinson Cloud Pre	Cloud Pressure, Top	3330								<0.5-1 deg :: G	
			HIRDLS	CHEM	Barnett, Gille	1531	₩	5-10%:: 5-10%	2/day [d,n]	4×4dg::G	0.4 km :: Trop
Dickinson PBL Height	2	3329									
١			GLRS-A	ALT	Spinhime et al	1514	BM	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Trop
Dickinson Vegetation	Vegetation Biomass, Green	3397								<0.5-1 deg :: Land	
			HIRIS	AM2	Ustin, Wessman	2620	BM	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Dickinson Vegetation Extent	Extent	3400								High res :: Land	
			HIRIS		Ustin, Wessman	2741	ВМ	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			HIRIS	AM2	Wessman	2644	VΜ	10%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Dickinson Vegetation Height	1 Height	3402								Med-low res :: Land	
			HIRLS	AM2	Ustin	2656	BM	40%:: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Dickinson Vegetation Type	1 Type	3405								<0.5-1 deg :: Land	
			HIRIS	AM2	Wessman	2644	VΜ	10%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
Dictinson Wind Velo	Wind Velocity, Sea_sfc	3338								<0.5-1 deg :: Ocean	
			STIKSCAT	CHEM	Freilich	1679	BM	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near_Sfc
			STIKSCAT	CHEM	Freilich	1680	VΨ	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
Dozier Albedo, Sp	Albedo, Spectral, Land_4c	2020						5%:: 1%	IIWK, IIMO	50 m :: Land/L	
			HIRIS	AM2	Dozier	2440	AM-	5%:: 1%	1/wk, 1/mo	50 m :: Land/L	N/A :: Sfc
Dozier Snow Con	Snow Contaminant Conc	2922						20% :: 20%	liwk, limo	SO m :: SnowL	
			HIRIS	AM2	Dozier	2768	BM	20%:: 20%	1/wk, 1/mo	50 m :: Snow/L	N/A :: Sfc
Dozier Snow Cover		3008						10% :: 10%	Ilwk, Ilmo	50 x 50 m :: Land/L	NIA :: Sfc
			HIRIS	AM2	Dozier	3019	ВМ	5%:: 2%	1/wk, 1/mo	50 m :: Cryo/L	N/A :: Sfc
Dozier Snow Cover, Wet	er, Wet	3028						%01 :: %01	IIwk, IImo	SO m :: Snow/L	
			HIRIS	AM2	Dozier	3030	ВМ	10%:: 10%	1/wk, 1/mo	50 m :: Cryo/L	N/A :: Sfc
			HIRIS	AM2	Dozier	3029	ΨV	5% :: 2%	1/wk, 1/mo	50 m :: Glacier/L	N/A :: Sfc

Appendix N: IDS Input Requirements Not Met until Year 2001

Proof # Inter: Proof # Inter Proof # Inter: Proof		IDS Input Data Product	ŀ	EOS Instrum	strument	ent Output Data Product	Product	-	Accuracy	Temporal	Horizontel	Vertical
Show O Guest State 100 HIRB ALL Depart 100 HIRD ALL Depart 100 HIRD 100 HIRD ALL The ALL 100 HIRD 100 HIRD ALL The ALL 100 HIRD ALL The ALL 100 HIRD ALL Intell Teach 100 HIRD ALL Intell Teach 100 HIRD ALL	Investigator		1_	١i	latform I	nvestigator	Prod#	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Sove Lip-wate Control 1888 AND Deade 5984 1889	Dozier		<u> </u>						200% :: 200%	IIwk, IImo	50 m :: Snow/L	
Show Lipwane Coulone 1979 Size Londs: 1079 1970 <t< td=""><td></td><td></td><td>\dashv</td><td>HIRIS</td><td>AM2</td><td>Dozier</td><td>3038</td><td>ВМ</td><td>200% :: 200%</td><td>1/wk, 1/mo</td><td>50 [km?] :: Snow/L</td><td>N/A :: Sfc</td></t<>			\dashv	HIRIS	AM2	Dozier	3038	ВМ	200% :: 200%	1/wk, 1/mo	50 [km?] :: Snow/L	N/A :: Sfc
Thirty Chief Chi	Dozier								100% :: 100%	IIwk, IImo	50 m :: SnowL	
According			-	HIRIS	AM2	Dozier	2943	BM	100%:: 100%	1/wk, 1/mo	50 m :: Snow/L	N/A :: Sfc
Third Thir	Grase		9						20% :: 10%	21409	15 x 4 dg :: G	2 Ion ::: Strat
OFF CAPE, CAPE, A. P. M. COLOR MASS MASS MAY NO. MASS CAPE, 1176, 1276 Invas.			Ξ.		_	Barnett, Gille	1992	AM	5-10% :: 1-10%	2/day [d,n]	4×4dg::G	1 km :: 7-30 km
CFC 11(CFCI)Cone 1100 NAIS 100 NAIS 111 Aug. 150 Inch Inch Inch Inch Inch 111 Aug. 150 Inch	Grase		9						20% :: 15%	J/wk	30 x 4 dg :: G	3 km ∴ Strat
CFC-11CFCND Cone 100 HIRDIS CIPS (1998) 100<				MLS	МО	Waters	1030	BM	:: 1x10-12	1/mo. [2. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 15.50 km
CCC 12(CF)CCD Cone HIRDIS CHEMA CHEMA <td>Grase</td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>15%::5%</td> <td>I/wk</td> <td>30 x 4 dg :: G</td> <td>3 Ion :: Strat</td>	Grase		0						15%::5%	I/wk	30 x 4 dg :: G	3 Ion :: Strat
CFC-13(CPACED) Cone 104 CHRA (1962) Cone 104 CHRA (1964) Cone 104 CHRA (1964) Cone 104 (1			Ξ	\vdash		Barnett, Gille	1055	ВМ	5-10%:: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-30 km
CHOCK-one 1000 CHOM Beach Colle 1007 BM 1510-11-104, 20ay [c] 1014	Grose								15%::5%	I/wk	30 x 4 dg :: G	3 km :: Strat
CHICOLON (MS) MIS MO Water 1140 (1976) Int 14 (1976)			Ξ.		CHEM	Barnett, Gille	1047	ВМ	5-10% :: 1-10%	2/day [d,n]	4×4dg::G	1 km :: 7-30 km
CON Conc. 1074 MAIS MO Waters 1070 RM 1159-1154 2440-1101 2440-1401 201-15-40; 202-10-10 COH Conc. HIRDS CHAPLE 1085 AM 3159-1104 2040-10-10 104-15-40; 202-10 TISS CHEM Remel, Cille 1085 AM 3159-1104 2040-10-10 104-15-40; 202-10 TISS CHEM Remel, Cille AM 3159-1104 2040-10 104-15-40; 202-10 COC Conc. HIRS CHEM Remel, Cille AM 3169-10-4 104-15-40; 202-10 105-15-40 COC Conc. HIRS CHEM Remel, Cille AM 3169-10-4 104-15-40; 202-10 105-15-40 COC Conc. HIRS CHEM Remel, Cille AM 3169-10-4 104-15-40; 202-10 105-15-40 COC Conc. HIRS CHEM Remel, Cille AM 3169-10-40 104-15-40; 202-10 105-15-40 COC Conc. HIRS MAIS MAIS AM 108-15-40 104-15-40	Grase								15% :: 5%	IIwk	30x 4 dg :: G	3 km :: Strat
COLCON 1004 HIRDS CHEMBA ANA S.1098.: LIGHS LIGHA 1.0 1.4 4g.: G. CARTAL RANG BARCA 1.009. CHEMBA Barca 1.009 ANA :: G.000-0 1.0 (4.0.42) 1.0 1.4 4g.: G. COCONC 1.116 TTS CHEMA Barca 1.007 ANA :: G.000-0 1.0 (4.0.42) 1.0 4.2 4g.: G. COCONC 1.116 MAIS MAIS MAIS ANA :: G.000-0 1.0 (4.0.42) 1.0 4.2 4g.: G. COCONC 1.116 MAIS MO Waters 1.12 ANA :: G.000-0 1.0 (4.0.42) 1.0 4.2 4g.: G. COCONC 1.116 MAIS MO Waters 1.12 ANA :: MAIS 1.0 4.2 4g.: G. 1.0 4.2 4g.: G. 1.0 4.2 4g.: G. 1.0 4.2 4g.: G. 1.0 5.2 4g.: G. 1.0 5.2 4g.: G. 1.0 5.2 4g.: G. 1.0 5.2 5g.: G. 1.0 5.2 5g.: G. 1.0			\dashv	MLS	МО	Waters	1070	BM	:: 1x10-11	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 40 km
Hiritia Office New 105 AM 274 (135 cm) 100 A	Grase								15% :: 5%	21407	30 x 4 dg :: G	3 km :: Mid-atmos
Activity Activity			Ξ	4	CHEM	Barnett, Gille	1085	BM	5-10%:: 1-10%	2/day [d,n]	4×4dg::G	1 km :: 7-65 km
TES CHEM Beer 1089 AM :: 10pp 1/10 day 100 to 2 Dam; G 1/10 day 100 to 2 Dam; G 1/10 day 100 to 2 Dam; G 1/10 day 1			S	-	WO	Russell	1086	¥	:: 7% (15-55кт)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-65 km
TES CIEDM Bear 1054 AM :14 pp 1/10 day) 165 2 km; G 100 core 1/10 Maier 1/12 BM C-56*; BA10.5 2/14 pp 1/10 day) 165 2 km; G 100 core 1/10 Maier 1/12 BM C-56*; BA10.5 2/14 pp 1/10 day) 165 2 km; G 100 core 1/10 Maier 1/12 BM C-56*; BA10.5 2/14 pp 1/10 day) 165 2 km; G 100 core 1/10 Maier 1/12 BM C-56*; BA10.5 2/14 pp 1/10 day) 165 2 km; G 100 core 1/10 Maier 1/12 BM C-56*; BA10.5 2/14 pp 1/10 day) 165 2 km; G 1/10 day				+	CHEM	Вса	1089	Ψ¥	:: 40 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
COCONC 116 TIS CHEM Bace 1087 AM				+	CHEM	Beer	1088	¥	:: 30 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
COC Conc 110 MLS MO Waters 1124 BM C458; 310.8 2lday [dat] 0.1 x 25 dg; 120.8 x 1.2 c 1.			1	TES	CHEM	Beer	1087	Ą	:: 14 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
MLS MO Wierer 1124 BM C-CSS_:::1010 2.040/[da] 0.11.25 dg:::204-182 MLS MLS MO Wierer 1124 BM C-CSS_:::1010 2.040/[da] 0.11.25 dg:::204-182 TTS CHEM Beer 1124 BM C-CSS_:::1036 1/106 day)	Grose		<u>ا</u>						15% :: 5%	2)day	30 x 4 dg :: G	3 km :: Mid-atmos
Till Mile			_	MLS	ω	Waters	1124	BM	<=5%:: 3x10-8	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 60 km
CO2 Conc. 1138 CIENA Beer 1128 AM ∷15 pbb I/16 day) I/16 day) I/16 day) I/16 day I/16 day <td></td> <td></td> <td></td> <td>MLS</td> <td>ω</td> <td>Waters</td> <td>1125</td> <td>BM</td> <td><=5%:: 1x10-5</td> <td>2/day [d.n]</td> <td>0.1 x 2.5 dg :: 82N-82S</td> <td>2.5 km :: 60-100 km</td>				MLS	ω	Waters	1125	BM	<=5%:: 1x10-5	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 60-100 km
CO2 Cone 1138 TES CHEM Bear 3677 BM 156 ±30.5 1106 ±30.9 16 × 5 Hm. CLI (6 ±49) 16 × 5 Hm. CLI (7 ±40)				TES	CHEM	Вся	1128	ΑM	:: 15 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
TIS CHEM Beer 3677 BM Color 1/105 CLOCONC 1/105	Grase		8						1%::05%	limo	9 :: WZ	10 km :: Mid-atmos
CIO Conc 1103 MLS MO Winters 1107 BM 2004::1054 2040 1017 101 Day (a.) 3004::1054 101 101 101 2049: 1034 3004:4g.:2G 101 101 101 2049 101 1104 BM 2004::1054 2040 1104 101 101 2049 101 1104 101 AM 4x4 dg.: G 101 <td></td> <td></td> <td>\dashv</td> <td>TES</td> <td>CHEM</td> <td>Beer</td> <td>3637</td> <td>BM</td> <td></td> <td>1/(16 day)</td> <td>16 x 5 km :: L</td> <td></td>			\dashv	TES	CHEM	Beer	3637	BM		1/(16 day)	16 x 5 km :: L	
MIS MO Wirets 1107 BM <-5%::0.33x10-10 2day day 0.1x.25 dg::82N-832 30x.4 dg::0.6 1404 1405 1405 1406 140	Grase								20% :: 10%	21day	9 :: 8p ≯ x 0E	3 km :: Mid-atmos
Cloud XXX, PSC 3307 HIDLS CHEA Emerical Control 1405 AM 0.4 km in 0.4 km 2 day [d.m.] 154 dg in 0.4 km in 0.4 km 157 dg in 0.4 km 154 dg in 0.4 km in 0.4 km 157 day [d.m.] 154 dg in 0.4 km in 0.4 km 157 day [d.m.] 154 dg in 0.4 km in 0.4 km 157 day [d.m.] 154 dg in 0.4 km in 0.4 km 157 day [d.m.]				MLS	МО	Waters	1107	ВМ	<=5%:: 0.3-3x10-10	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 70 km
HIRDLS CHEM Burnett, Gille 1406 BM 0.04 km; 0.04 km 2/day [d.n] 4.4.4 dg; G. G. G. G. G. G. G. G. G. G. G. G. G.	Grase								20% :: 10%	21day	D :: ₹ q B :: C	2 km :: Strat
Harry Conc 181 Sapitaline et al 1405 AM 150m; 1/(2-16 day) 2.200 tum; Polter 2.25.5 dg; 865.86N SAFIRE				IIRDLS	-	Barnett, Gille	1408	BM	0.4 km :: 0.4 km	2/dsy [d,n]	4 x 4 dg :: G	0.4 km :: Strat
Harrow H				JLRS-A	7	Spinhime et al	1405	ΨV	150 m ::	1/(2-16 day)	2-200 km :: Polar	75 m :: Strat
Name	Grose								15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Tropimeso
MLS MO Water 1838 AM ::25,-50km 2/day [d.n] 01.1.2.5 dg::82N-82S			<u></u>	SAFIRE	MO	Russell	1839	BM	:: 5% (20-80 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-100 km
TES CHEM Beer 1842 AM ::50 ppm 1/16 day) 160 x 23 km :: G				MLS	ω	Waters	1838	¥¥	:: 2% <50km	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: TPSE, 100 km
HIRDLS CHEM Barnett, Gille 1837 AM 5.10% : 1.10% 2/day [d.n] 4 x 4 dg : G				TES	CHEM	Веа	1842	₩	:: 50 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
H2O2 Conc 1166 Russell 1172 BM 7% (30-35 km) 1/(36-72 s)[?] 25 x .25 · 5 dg :: 86S · 86N 2 HBr Conc 1173 MD Waters 1171 AM :: 1x10-10 1/(36-72 s)[?] 25 x .25 · 5 dg :: 86S · 86N 2 HBr Conc 1176 MD Waters 1171 AM :: 1x10-10 1/(36-72 s)[?] 25 x .25 · 5 dg :: 86S · 86N 30 x 4 dg :: G 3 HBr Conc 1180 BM :: 10% (25-35 km) 1/(36-72 s)[?] 25 x .25 · 5 dg :: 86S · 86N 30 x 4 dg :: G 3 HCl Conc 1182 BM <-5% :: 0.1-10x10.10			<u> </u>	TRDLS	CHEM	Barnett, Gille	1837	VΜ	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-80 km
SAFIRE MO Russell 1172 BM ::174, G0-35 km) 1/(36-72 s)[?] 25 x 25.5 dg ::86S-86N	Grose								25% :: 10%	Корг	30 x 10 dg :: G	3 km :: Strat
MLS MO Walers 1171 AM ::1x10-10 1/day [2. mean] 0.1 x 2.5 dg ::8 2N-8 2.5				SAFIRE	ω W	Russell	1172	BM	:: 7% (30-35 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-50 km
HBr Conc 1176 Russell 1180 BM ::10% (25.15 km) 1/(36-72 s) [?] 25 x 25.5 dg :: 86S-86N 2 HCI Conc 1/182 Mo Russell 1180 BM <=55% :: 01.10x10-10				MLS	MO	Waters	1171	VΜ	:: 1x10-10	1/day [z. mcan]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 30-40 km
SAFIRE MO Russell 1180 BM ::10% (25.15 km) 1/(36-72 s) [?] 25 x 2.5.5 dg :: 86S-86N HCI Conc 1182 MO Walers 1188 BM <-5% :: 0.1-10x 10.10 2/day [d,n] 0.1 x 2.5 dg :: 82N-82S MLS MO Walers 1189 BM <-5% :: 0.1-10x 10.10 2/day [d,n] 0.1 x 2.5 dg :: 82N-82S SAFIRE MO Russell 1187 AM :: 5% (25.55 km) 1/(36-72 s) [?] 25 x 2.5.5 dg :: 86S-86N HF Conc 1193 SAFIRE MO Russell 1197 BM :: 15% (40.60 km) 1/(36-72 s) [?] 25 x 2.5.5 dg :: 86S-86N	Grase		1000						25% :: 10%	Ilday	30 x 4 dg :: G	3 km .: Strat
HCI Conc 1182 MO Waters 1188 BM <=55%::0.1-10x10-10 2/day [d,n] 0.1 x 2.5 dg::82N-825 MLS MO Waters 1189 BM <=55%::0.1-10x10-10			H	SAFIRE	OΜ	Russell	1180	BM	:: 10% (25-35 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 15-40 km
MLS MO Waters 1188 BM <=54%::0.1-10x10-10 2day [d,n] 0.1 x 2.5 dg::82N-82S MLS MO Waters 1189 BM <=55%::0.1-10x10-10	Grase		2						15% :: 10%	1/409	30 x 4 dg .: G	3 km :: Mid-atmos
MLS MO Waters 1189 BM <=5%::01·10x10.010 2/day [d.n] 0.1 x 2.5 dg:: 82N-82S SAFIRE MO Russell 1187 AM :: 5% (25.55 km) 1/(36-72 s) [?] 25 x 2.5.5 dg:: 86S-86N HF Conc 1193 SAFIRE MO Russell 1197 BM :: 15% (40.60 km) 1/(36-72 s) [?] 25 x 2.5.5 dg:: 86S-86N				MLS	МО	Waters	1188	BM	<=5%:: 0.1-10x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 90 km
SAFIRE MO Russell 1187 AM :: 5% (25.55 km) 1/(36.72 s) [?] 25 x 2.5.5 dg:: 86S-86N HF Conc 1193 SAFIRE MO Russell 1197 BM :: 15% (40.60 km) 1/(36.72 s) [?] 25 x 2.5.5 dg:: 86S-86N S				MLS	МО	Waters	1189	BM	<=5%:: 0.1.10x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 80 km
HF Conc 1193 SAFIRE MO Russell 1197 BM :: 15% (40-60 km) 1/(36-72 s) [?] 25 x 2.5-5 dg:: 86S-86N			-	SAFIRE	οW	Russell	1187	ΨV	:: 5% (25-55 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km:: 10-65 km
MO Russell 1197 BM :: 15% (40.60 km) 1/(36-72.5) [?] 25 x 2.5.5 dg :: 86S-86N	Grose		6						25% :: 10%	Ilday	30 x 4 dg :: G	3 Ion :: Strat
			<u> </u>	SAFIRE	MO	Russell	1197	BM	:: 15% (40-60 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 40-60 km

Appendix N: IDS Input Requirements Not Met until Year 2001

Proof Intel Inte		IDS Imput Date December		1 302	Setrumont	Output Date	Decodered	-	Accuracu	Temporel	Hosizontol	Vortical
MODITIONS 1184 MODITION M	Investigator	Product Name		Instr. 1	Natform 1	nvestigator	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
1100 1100	Grase		2000						20% :: 5%	2/40)	30 x 10 dg :: G	3 km :: Mid-atmos
Mail				HIRDLS	\vdash	Barnett, Gille	1202	BM	5-10%:: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 10-40 km
12 12 12 12 12 13 14 13 14 13 14 13 14 13 14 14				MIS	OM MO	Waters	1203	¥	<=5% :: 5x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 46 km
			_1	SAFIRE	9	Russell	1204	₹	:: 7% (15-40 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-45 km
			+	TES	CHEM	Bed	1205	₹	:: 3 ppt	1/(16 day)	160 x 23 km :: G	2.3 km :: 4-12 km
NATION Conc. 128 NATION Conc. 128 NATION CONC. 128 NATION	Grase								25% :: 10%	2/407	30 x 10 dg :: G	3 km :: Mid-atmos
			ائـــ	SAFIRE	Ş.	Russell	1217	BM	:: 7% (30-60 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-75 km
Mail				MIS	MO	Waters	1216	₩	:: 3-20x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 30-80 km
Mail	Grase		387						20% :: 10%	2/day	30 x 4 dg :: G	3 lon :: Strat
Mail			<u> </u>	SAFIRE	МО	Russell	1223	BM	:: 7% (35-40 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-45 km
Produce Solution 172 100			L	MLS	MO	Waters	1222	AM	:: 3x10-11	1/day	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 25-45 km
MOCONE 129 MOCONE 129 MOCONE 129 MOCONE 124 MOCO	Grose		11	-			_		5%::1%	2/day	15x4dg::G	:: TOA
MOC Grow 1239 HERDIS CHEM Barret, Citie 1249 EM 5.1046, ±1.0456 12.1464 5.1046, ±1.0456 12.1464 5.1046, ±1.0456 12.1464 5.1046, ±1.0456 12.1464 5.1046, ±1.0456 12.1464 5.1046, ±1.0456 10.12.1464 5.1046, ±1.0456 10.12.1464 5.1046, ±1.0456 10.12.1464 5.1046, ±1.0456 10.12.1464 5.1046, ±1.0456 10.12.1464 5.1046, ±1.0456 10.12.1464 5.1046, ±1.0456 10.12.1464 5.1046 10.12.1464 10.12.1464 5.1046 5.1046				OLSTICE	МО	Rottman	2278	BM	<5% :: <1%	1/14	N/A:: N/A	N/A:: NA
HIRDS STEPA BANES 130 AM S.154(0.05.11)** A	Grose								15% .: 5%	1/day	30 x 4 dg :: G	3 km :: Mid-atmos
NOT Conc. 1200 Notes: 1201 AM 210, 10, 10, 11, 12, 10, 10, 10, 12, 15, 16, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18			4	HIRDLS	CHEM	Barnett, Gille	1239	BM	5-10% :: 1-10%	2/day [d.n.]	4x4dg::G	1 km :: 7-60 km
Miss Miss	-			SAFIRE	МО	Russell	1241	Æ	:: 15% (20-35 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 20-40 km
This color This CIEDA Bace 124 Al 110 pat 11(6 day) 10(6 day) 10(4 day 10 day 2 harro 14 day 2 harro				MLS	МО	Waters	1240	ΑM	<=5% :: 1-10x10-8	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 65 km
NO Conc. 1200 Raned, Gile 1250 RM 2.0% :: 1.0%<			<u>. </u>	TES	CHEM	Bear	1243	AM	:: 10 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
HRDLS HRDL	Grave] 05	+					20% :: 10%	21day	30 x 4 dg :: G	3 km :: Mid-aimos
NO Cone 1202 No Cone 1205 No C	."		_	HIRDLS	CHEM	Barnett, Gille	128	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km:: 15-45 km
NO Conc. 1202 Moltaria 1264 Moltaria 1266 Moltaria			<u> </u>	SAFIRE	WO	Russell	1255	Æ	:: 10% (20-40 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5-3 km :: 10-45 km
MISS MISS	Grase		29						15% :: 5%	2/400y	30 x 4 dg :: G	3 km :: Mid-armos
TES CIEDA Bernet, Gile 1273 BM 5.10% 2.3.10% 2.1day 105 A.2 bin.: G 1.0% A.2 bin.: G 1.0			<u>. </u>	MLS	ω	Waters	1266	BM	::.1-10x10-7	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 30-120 km
HIGD 5 CIEBA Burned, Gille 1736 AM 5169€ 3.54% 21dey 130 44 dis CIG MLS MLS MO Neasel 1274 AM ≈ 1.69€ 3.10% 2dey [dis] 0.1 x 2.6 dis z858.03 ALS PRER MO Russel 1274 AM ≈ 1.69€ 3.10% 1/16 day) 0.1 x 2.6 dis z858.03 ACRIPIC MO Russel 1278 AM ≈ 1.58 (10.5 km) 1/16 day) 1.0 x 2.6 dis z858.03 ACRIPIC MO Russel 1278 AM ≈ 1.58 (10.5 km) 1/16 day) 1.0 x 2.5 dis z858.03 ACRIPIC MO Russel 1278 AM ≈ 1.58 (10.0 km) 1/16 day) 1.0 x 2.5 dis z85.04 ACRIPIC MO Russel 1318 BM ≈ 1.58 (10.0 km) 1/16 day) 1.0 x 2.5 dis z85.04 ACRICO MO Russel 1318 AM ≈ 1.58 (10.0 km) 1/16 day) 1.0 x 2.5 dis z85.04 ACRIPIC MO Russel 1318 AM ≈ 1.58 (10.0 km) 1/16 day) 1.0 x 2.			1	TES	CHEM	Bear	1268	₹	:: 25 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
HRDLS CHEM Burnet, Cille 1273 BM 5.10% 2.0day [d.n.] 01.425 dg; 824-825 Mals MO Waters 1274 AM ::9% (2.055 km) 1/(18-72-91] 2.241-5d; 82.858-854 ASAPINE MO Russell 1298 AM ::9% (2.055 km) 1/(18-72-91] 2.541-5d; 82.858-854 ASAPINE MO Russell 1298 BM ::19% (1.0% 1.0% (1.254 cg) 2.0day [d.n.] 2.0day [d.n.] 1/(18-72-91] 2.541-5d; 82.858-864 ASAPINE MO Russell 1298 BM ::19% (1.0% km) 1/(18-72-91] 2.541-5d; 82.858-864 ASAPINE MO Waters 1319 AM ::19% (1.0% km) 1/(18-72-91] 2.541-5d; 82.864 ASAPINE MO Waters 1319 AM ::3% (1.0% km) 1/(18-72-91] 2.541-5d; 82.864 ASAPINE MO Waters 1320 AM ::3% (1.0% km) 1/(18-72-91] 2.541-825 ASAPINE MO Russell 1340 BM ::19% (1.0% km) 1/(18-72-91] 2.541-5d; 82.864 ASAPINE MO Russell 1340 BM ::19% (1.0% km) 1/(18-72-91] 2.541-5d; 82.864 ASAPINE MO Russell 1350 AM ::19% (1.0% km) 1/(18-72-91] 2.541-5d; 82.864 ASAPINE MO Russell 1350 AM ::19% (1.0% km) 1/(18-72-91] 2.541-5d; 82.864 ASAPINE MO Russell 1350 AM ::19% (1.0% km) 1/(18-72-91] 2.541-6d; 82.864 ASAPINE MO Russell 1350 AM ::19% (1.0% km) 1/(18-72-91] 2.541-5d; 82.864 ASAPINE MO Russell 1350 AM ::19% (1.0% km) 2.0day [d.n.] 0.142-04; 82.864 ASAPINE MO Russell 1350 AM ::19% (1.0% km) 2.0day [d.n.] 0.142-04; 82.864 ASAPINE MO Russell 1350 AM ::19% (1.0% km) 2.0day [d.n.] 0.142-04; 82.864 ASAPINE MO Russell 1506 AM ::19% (1.0% km) 2.0day [d.n.] 0.142-04; 86.868 ASAPINE MO Russell 1608 AM ::19% (1.0% km) 2.0day [d.n.] 0.142-04; 86.868 ASAPINE MO Russell 1608 AM ::20% (1.00km) 2.0day [d.n.] 0.142-04; 86.868 ASAPINE MO Russell 1608 AM ::20% (1.00km) 2.0day [d.n.] 0.142-04; 86.868 ASAPINE MO Russell 1608 AM ::20% (1.00km) 2.0day [d.n.] 0.142-04; 86.	Grase		69						15% :: 5%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
MiS Mo Waters 1214 AM :1-8x10-8 2day [dar] 01x23 dg; 82N+82S SAFIRE MO Russell 1235 AM :159 (20-55 km) 1/(18-52-5)(1) 25.1-15 dg; 86S-86N All S CHEM Bernet, Gille 1238 AM :159 (20-55 km) 1/(16-27-5)(1) 25.1-15 dg; 86S-86N All S CHEM Bernet, Gille 1238 AM :159 (20-55 km) 1/(16-27-5)(1) 25.1-15 dg; 86S-86N All S CHEM Bernet, Gille 1238 BM :1504 (1-104				HIRDLS	CHEM	Barnett, Gille	1273	ВМ	5-10% :: 3-10%	2/day [d,n]	4 x 4 dg :: G	1 km:: 10-55 km
Action			I	MLS	MO	Waters	1274	₹	:: 1-8x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: 30-60 km
TES CHEM Berr 1298 M ::500 ppt 1/(16 day) 106 x23 hm; G				SAFIRE	МО	Russell	1275	AM	:: 5% (20-55 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 15-60 km
O/3 P) Conc 1394 MC Russell 1294 MIRDLS CHEM Russell 1294 1104 30.4 dg.: G 28.25.46;; 30.4 10.80 1104 30.4 dg.: G 28.25.46;; 30.4 28.25.46;; 30.4 28.25.46;; 30.4 28.25.46;; 30.4 28.25.46;; 30.4 30.4 dg.: G 28.25.46;; 30.4 30.4 dg.: G 30.4 d				TES	CHEM	Bear	1278	AM	:: 500 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
SAFINE MO Russell 1298 BM ::15%(10-180 km) 1/(36-72.91)? 25.x.25.5 dg::865-86N HIRDLS CHEM Barretl, Gille 1319 AM ::2%(10-70 km) 1/(18-72.91)? 25.x.25.5 dg::865-86N Ashire Mo Russell 1320 AM ::3%(10-70 km) 1/(18-72.91)? 25.x.25.5 dg::862-86N Ashire Mo Russell 1320 AM ::3%(10-70 km) 1/(18-72.91)? 25.x.25.5 dg::862-86N Ashire Mo Russell 1350 AM ::3%(10-70 km) 1/(18-72.91)? 25.x.25.5 dg::863-86N Ashire Mo Russell 1360 BM ::7%(20-75 km) 1/(18-72.91)? 25.x.25.5 dg::863-86N Ashire Mo Russell 1360 BM ::7%(20-75 km) 1/(18-72.91)? 25.x.25.5 dg::863-86N Ashire Mo Russell 1360 BM ::2%(10-70 km) 1/(18-72.91)? 25.x.25.5 dg::863-86N Ashire Mo Russell 1360 BM ::2%(10-70 km) 1/(18-72.91)? 25.x.15-3 dg::82N-825 Ashire Mo Russell 1508 AM ::2%(10-70 km) 1/(18-72.91)? 25.x.15-3 dg::82N-825 Ashire Mo Russell 1608 AM ::2%(10-70 km) 2/day [d.n] 0.1.x.25 dg::82N-825 Ashire Mo Russell 1610 AM ::2%(10-70 km) 2/day [d.n] 0.1.x.25 dg::82N-825 Ashire Mo Russell 1610 AM ::2%(10-70 km) 2/day [d.n] 0.1.x.25 dg::82N-825 Ashire Mo Russell 1610 AM ::2%(10-70 km) 2/day [d.n] 0.1.x.25 dg::82N-825 Ashire Mo Russell 1610 AM ::2%(10-70 km) 2/day [d.n] 0.1.x.25 dg::82N-825 Ashire Mo Russell 1610 AM ::2%(10-70 km) 2/day [d.n] 0.1.x.25 dg::82N-825 Ashire Mo Russell 1610 AM ::2%(10-70 km) 2/day [d.n] 0.1.x.25 dg::82N-825 Ashire Mo Russell 1610 AM ::2%(10-70 km) 2/day [d.n] 0.1.x.25 dg::82N-825 Ashire Mo Russell 1610 AM ::2%(10-70 km) 2/day [d.n] 0.1.x.25 dg::82N-825 Ashire Mo Russell 1610 AM ::2%(10-70 km) 2/day [d.n] 0.1.x.25 dg::86.86N Ashire Mo Russell 1610 AM ::2%(10-70 km) 2/day [d.n] 0.1.x.25 dg::86.86N Ashire Mo Mo Mo Mo Mo Mo Mo M	Grose		333						30% :: 10%	IIWk	30 x 4 dg :: G	3 km :: Mid-atmos
HIRDLS CHEM Barnett, Gille 1318 BM S.10% : 1.10% 246.5% :: 2% 2.4day d.a. 4.x4 dg.: G 1.00% 1.00x 1			_	SAFIRE	MO	Russell	1298	BM	:: 15%(110-180 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 90-180 km
HIRDLS CHEM Barnett, Gille 1318 BM 5.10% :: 1-10% 2/day [d.n.] 4.4.4 dg.: G MIS MO Russell 1320 AM -2.5% :: 15% (10.70 km) 1/13-72 s)[7] 25.2.5-5 dg.: 852-86N ALS MO Russell 1350 AM :: 33.10.11 1/mo. [z. mem] 0.1 x.2.5 dg.: 852-86N	Grose		3,003						2%,5% :: 2%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
MIS MO Waters 1319 AM C=3%:1%(-SOKm) 2/day [d.n] 01.x.2.5 dg: 82N-82S SAFRE MO Russell 1320 AM ::5% (10-70 km) 1/(18-7.2 s) [?] 25 x.2.5-5 dg: 85N-85S OCIO Conc 1349 MIS MO Waters 1352 AM ::3% (10-70 km) 1/(36-72 s) [?] 25 x.2.5-5 dg: 85N-85S Pressure 1516 MO Russell 1360 BM ::7% (10-70 km) 1/(36-72 s) [?] 25 x.2.5-5 dg: 85N-85S Pressure 1516 MO Russell 1364 BM 0.1% ::1% (10-70 km) 1/(36-72 s) [?] 25 x.2.5-5 dg: 86N-86N Temperature Profile 1572 MIS MO Russell 1256 AM ::1% (10-70 km) 1/(18-72 s) [?] 25 x.2.5-5 dg: 80N-82S HIRDLS CHEM Burnett, Gille 1524 AM ::1% (10-70 km) 1/(18-72 s) [?] 25 x.1-5 dg: 80N-82S HIRDLS CHEM Burnett, Gille 1526 AM ::1% (10-70 km) 1/(18-72 s) [?] 25 x.1-5 dg: 80N-82S HIRDLS CHEM Burnett, Gille 1608 BM 1K;2K-SOKm: 0.3K;1K-SOKm: 0.3ky [d.n] 0.1 x.2.5 dg: 8DN-82S HIRDLS CHEM Burnett, Gille 1608 BM 1K;2K-SOKm: 0.3ky [d.n] 0.1 x.2.5 dg: 8DN-82S HIRDLS CHEM Burnett, Gille 1608 BM 1K;2K-SOKm: 0.3ky [d.n] 0.1 x.2.5 dg: 8DN-82S HIRDLS CHEM Burnett, Gille 1608 AM ::2K-100km) 2/day [d.n] 0.1 x.2.5 dg: 8DN-82S HIRDLS CHEM Burnett, Gille 1608 AM ::2K-100km) 2/day [d.n] 0.1 x.2.5 dg: 8DN-82S HIRDLS CHEM Burnett, Gille 1608 AM ::2K-100km) 2/day [d.n] 0.1 x.2.5 dg: 8DN-82S OCHOCHOCHOCHOCHOCHOCHOCHOCHOCHOCHOCHOCHO				HIRDLS	SEE.	Barnett, Gille	1318	ВМ	5-10% :: 1-10%	2/day [d,n]	4×4 dg:: G	1 km :: 7-80 km
OCIO Conc 1349 MLS MO Russell 1320 AM ::5% (10-70 km) 1/(18-72 s)[?] 25 x 25-5 dg::86S-86N OCIO Conc 135 MLS MO Waters 1352 AM ::3x(0-11) 1/(18-72 s)[?] 25 x 25-5 dg::86S-86N Pressure 135 ALS MO Russell 1520 AM ::1% (10-70 km) 1/(18-72 s)[?] 25 x 25-5 dg::86S-86N Pressure 1516 MLS MO Waters 1525 AM ::1% (10-70 km) 1/(18-72 s)[?] 25 x 1-5 dg::8CS-86N Pressure 1516 MLS MO Waters 1525 AM ::1% (10-70 km) 1/(18-72 s)[?] 25 x 1-5 dg::8CS-86N Temperature Profile 1572 MO Waters 1525 AM ::1% (10-70 km) 1/(18-72 s)[?] 25 x 1-5 dg::8CS-86N Temperature Profile 1572 MO Waters 1525 AM ::1% (20-50 km) 1/(18-72 s)[?] 25 x 1-5 dg::8CS-86N Amalian Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Maria				MLS	WO	Waters	1319	¥	<= 3% :: 1%(<50km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 110 km
OCIO Conc. 1349 MLS MO Waters 1352 AM :: 3x10-11 1/mo. [z mean] 0.1x 2.5 dg :: 82N-82S OH Conc 1355 MLS MO Waters 1352 AM :: 3x10-11 1/mo. [z mean] 0.1x 2.5 dg :: 82N-82S OH Conc 1355 MS XXI-04 1/mo. [z mean] 0.1x 2.5 dg :: 82N-82S 30 x 4 dg :: G Pressure 1516 MS MS XXI-04 1/G-72 s) [?] 2x 2.5 5 dg :: 85N-86N Pressure 1516 MS MS XXI-04 X/Gay [dx] 0.1x 2.5 dg :: 85N-86N Areasure 1516 MO Waters 1526 AM XXI-04 X/Gay [dx] 0.1x 2.5 dg :: 85N-86N Temperature Profile 157 AM XXI-05 K X/Gay [dx] 0.1x 2.5 dg :: 85N-86N Temperature Profile 157 AM XXI-05 K X/Gay [dx] 0.1x 2.5 dg :: 85N-86N Amils MS XXI-05 K XXI-05 K XXI-05 M XXI-05 M XXI-05 M XXI-05 M XXI-05 M XXI-05				SAFIRE	МО	Russell	1320	ΑM	:: 5% (10-70 km)	1/(18-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	1.5-3 km :: 10-100 km
OH Conc I355 MO Waters 1352 AM :: 3x10-11 1/Mo. [z. mean] 0.1x 2.5 dg :: 82N-82S OH Conc 1355 MO Russell 1360 BM :: 7x, 10-75 Luday 0.1x 2.5 dg :: 82N-82S Pressure 1516 MO Russell 1524 AM :: 7x, 70-75 km) 1/(3-72 s) [?] 2x 2.5-5 dg :: 85N-86N Pressure 1516 MIS MO Waters 1524 AM :: 7x, 70-75 km) 2/day [d_1] 4x 4 dg :: G Am No Waters 1525 AM :: 1570 km) AM :: 1570 km AM 1/(18-72 s) [?] 25x 1-5 dg :: 85N-86N Temperature Profile 1572 AM :: 1570 km) AM :: 1570 km AM :: 1570 km AM 1/(18-72 s) [?] 25x 1-5 dg :: 85N-86N Temperature Profile 1572 AM :: 1570 km AM 1/(18-72 s) [?] 25x 1-5 dg :: 85N-86N MLS MO Waters 1609 AM :: 27k < 1000km) 2/day [d_1]	Grase		621	#					20% :: 10%	2/day	30 x 4 dg :: G	3 km :: Strat
OH Conc 1355 Amon Russell 1360 BM ::7% (30-75 km) 1/(36-72 s)[?] 25x 25-5 dg::86S-86N Pressure 1516 MD Russell 1526 BM ::7% (30-75 km) 1/(36-72 s)[?] 25x 25-5 dg::86S-86N Pressure 1516 HIRDLS CHEM Bernert, Gille 1526 AM ::1% (30-50km) 2/day [d.n] 4x 4 dg::G Anne NATS AM ::1% (18-70 s)K 2/day [d.n] 0.1x 25 dg::85X-86N Temperature Profile 1572 AM ::1% (18-70 s)K 2/day [d.n] 0.1x 25 dg::85X-86N Temperature Profile 1572 AM ::1% (18-70 s)K 2/day [d.n] 0.1x 25 dg::85X-86N Temperature Profile 1572 AM ::2% (16-70 km) 1/(18-72 s)[?] 25x 1-5 dg::85X-86N MLS MD Russell 1609 AM ::2% (100 km) 2/day [d.n] 0.1x 25 dg::82N-82S Am MLS MO Russell 1609 AM ::2% (100 km) 2/day [d.n] 0.1x 25 dg::82N-82S				MLS	МО	Waters	1352	¥	:: 3x10-11	1/mo. [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 25 km
Pressure 1516 MO Russell 1360 BM :: 7%, G0-75 km) 1/(36-72 s)[?] 25x 25.5 dg:: 86S-86N Pressure 1516 HIRDLS CHEM Bernett, Gille 1524 BM 0.05 :: 2% 2/day 15x 4 dg:: G MLS MLS MO Russell 1525 AM :: 15/30-50km) 2/day [d_n] 4 x 4 dg:: G SAFIRE MO Russell 1525 AM :: CA% (16-70 km) 1/(18-72 s)[?] 25 x 1-5 dg:: 85N-86N Temperature Profile 1572 AM :: CA% (16-70 km) 1/(18-72 s)[?] 25 x 1-5 dg:: 85N-86N HIRDLS CHEM Bernett, Gille 1608 BM 1K;2K>50km 2/day 15 x 4 dg:: G MLS MO Russell 1609 AM :: 2K < 100km)	Grase		33						25% :: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-armos
Pressure 1516 HRDLS CHEM Branest, Gille 1524 BM 0.15.:2% 2day 15x 4dg::G MLS MLS MO Waters 1525 AM ::15/30-50km) 2day [d.n] 4x 4dg::G SAFIRE MO Russell 1525 AM ::15/30-50km) 2day [d.n] 0.1x 2.5 dg::85N-86N Temperature Profile 1572 AM :::CAR (16-70 km) 1/(18-72 s)[?] 25x 1-5 dg::85N-86N Temperature Profile 1572 AM :::CAR (16-70 km) 1/(18-72 s)[?] 25x 1-5 dg::85N-86N HIRDLS CHEM Bernett, Gille 1608 BM 1K;2K>50km 2/day [d.n] 4x 4dg::G MLS MO Russell 1609 AM :: 2K <100km)				SAFIRE	MO	Russell	1360	BM	:: 7% (30-75 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km:: 20-90 km
HIRDLS CHEM Barnetl, Gille 1524 BM 0.1% :: 0.1% 2/day [d.n.] 4 x 4 dg :: G MLS MO Waters 1525 AM :: 15/30-50(m) 2/day [d.n.] 0.1 x 2.5 dg :: 82N-828 SAFIRE MO Russell 1526 AM :: -C.% (16-70 km) 1/(18-72 s)[?] 25 x 1-5 dg :: 86S-86N Temperature Profile 1572 HIRDLS CHEM Bernetl, Gille 1608 BM 1K,2K>50km :: 0.3K; IK>50km 2/day [d.n.] 4 x 4 dg :: G MLS MO Russell 1610 AM :: -C.5K(16-65 km) 1/(18-72 s)[?] 25 x 1-5 dg :: 82N-828 A	Grase		9/1						0.05 :: 2%	2/day	15 x 4 dg :: G	3 km :: Mid-atmos
MLS MO Waters 1525 AM				HIRDLS	CHEM	Barnett, Gille	1524	BM	0.1% :: 0.1%	2/day [d,n]	4×4dg::G	0.2 km :: 7-80 km
SAFIRE MO Russell 1526 AM ::-C24 (14-70 km) 1/(18-72 s) [?] 25 x 1-5 dg :: 86S-86N Temperature Profile 1572 HIRDLS CHEM Bernett, Gille 1608 BM 1K;2K>50km :: 0.3K;1K>50km 2/day [d.n.] 4 x 4 dg :: G MLS MO Waters 1609 AM ::-2K <100km) 2/day [d.n.] 0.1 x 2.5 dg :: 82N-82S An An An An An An An				MLS	WO	Waters	1525	¥	:: 1%(30-50km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 70 km
Temperature Profile 1572				SAFIRE	MO	Russell	1526	₹	:: <2% (16-70 km)	1/(18-72 s) [7]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-110 km
HIRDLS CHEM Barnett, Gille 1608 BM 1K;2K>50km 2/day [d.n.] 4 x 4 dg :: G MS Msters 1609 AM :: 2K < 100km) 2/day [d.n.] 0.1 x 2.5 dg :: 82N-82S SAFIRE MO Russell 1610 AM :: <0.5K(16-65 km) 1/(18-72 s)[?] 25 x 1-5 dg :: 86S-86N MSS-82S MS	Grose		223						2 K :: 0.5 K	2/day	15x4dg::G	2 km :: Mid-atmos
MO Waters 1609 AM :: 2K <100km) 2/day [d.n.] 0.1 x 2.5 dg.: 82N-82S MO Russell 1610 AM :: <0.5K(16-65 km)			لــا	HIRDLS	CHEM	Barnett, Gille	1608		1K;2K>50km :: 0.3K;1K>50km	2/day [d,n]	4x4dg::G	1 km :: 7-80 km
MO Russell 1610 AM ::<0.5K(16-65 km) 1/(18-72 s) [?] 25 x 1-5 dg :: 865-86N			1	MLS	WO	Waters	1609	AM	:: 2K <100km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 120 km
			7	SAFIRE	Q₩	Russell	1610	₩	:: <0.5K(16-65 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-110 km

Appendix N: IDS Input Requirements Not Met until Year 2001

Investigator	17000011										
	Product Name	Prod #	Instr.	Platform	str. Platform Investigator Prod # Match	Prod #	Match	Abe:: Rel	Recolution	Rest :: Cover	Posol : Cover
Grave	Wind Velocity	1662	- 888		0			Smrs.10de :: Smrs.5de	2/day	15x4de::G	2 tm :: Mid-ormor
			MLS	MO	Waters	1734	AM-	:: 10m/s	2/day [d.n.]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 60-110 km
Hansen	Aerosol Optical Depth	1001						tam=0.02 ::	I/wk	500 km :: G	:: Trop
			HIRDLS	CHEM	Barnett, Gille	1992	AM	5-10%:: 1-10%	2/day [d,n]	4x4dg:: G	1 km: 7-30 km
			GLRS-A	ALT	Spinhime et al	2291	AM	20% ::	1/(2-16 day)	2-200 km :: G	N/A :: Atmos
Hansen	Aerosol Optical Depth	2287						for=0.02 ::	IIWk	500 km :: G	:: Strat
			GLRS-A	ALT	Spinhime et al	2291	ΑM	20% ::	1/(2-16 day)	2-200 km :: G	N/A :: Atmos
			HIRDLS	CHEM	Barnett, Gille	1992	¥	5-10% :: 1-10%	2/day [d,n]	4x4dg:: G	1 km :: 7-30 km
Hansen	Albedo, Snow	2017						0.02 ::	I/wk	500 km :: Land	:: Sfc
		•	HIRIS	AM2	Dozier	2440	Æ	5%:: 1%	1/wk, 1/mo	50 m :: Land/L	N/A :: Sfc
Hansen	CFC-XXX Conc	1057							//wk	500 km :: G	:: Trop
		•	HIRDLS	CHEM	Barnett, Gille	1947	BM	5-10% :: 1-10%	2/day [d.n]	4 x 4 dg :: G	1 km :: 7-30 km
			HIRDLS	CHEM	Barnett, Gille	1055	BM	5-10% :: 1-10%	2/day [d,n]	4x4dg:: G	1 km :: 7-30 km
Hansen	CH4 Conc	1075						0.10% ::	IIwk	500 km :: Wetlands	:: Trop
			TES	СНЕМ	Веа	1089	BM	:: 40 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
			TES	CHEM	Вест	1087	M	:: 14 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
			HIRDLS	CHEM	Barnett, Gille	1085	AM	5-10%:: 1-10%	2/day [d.n]	4 x 4 dg :: G	1 km:: 7-65 km
Hansen	CH4 Conc	9/01							IIWk	500 km :: G	:: Trop
			TES	CHEM	Beer	1089	ВМ	:: 40 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
			TES	CHEM	Beer	1087	VΜ	:: 14 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
			HIRDLS	CHEM	Barnett, Gille	1085	AM	5-10%:: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-65 km
Hansen	CO Conc	1111						0.10% ::	IIwk	500 km ::	:: Trop
			TES	CHEM	Beer	1129	ΑM	:: 3 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
			STIM	MO	Waters	1124	₩V	<=5% :: 3x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 60 km
			TES	CHEM	Beer	1128	¥	:: 15 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
Hansen	CO2 Conc	1139						0.2 ррт ::	IIWE	500 km :: G	:: Trop
			TES	CHEM	Beer	3637	ВМ		1/(16 day)	16 x 5 km :: L	
Hansen	Cloud Cover	202						3% ::	I/wk	500 km :: G	:: Cloud
			GLRS-A	ALT	Spinhime	8/.07	ΨV	1%::	1/(2-16 day)	10-200 km :: G	:: N/A ::
Hansen	Cloud Height	1399						50 m ::	I/wk	500 km :: G	:: Cloud
			HIRDLS	CHEM	Barnett, Gille	1831	ΑM	5-10%:: 5-10%	2/day [d,n]	4x4dg::G	0.4 km :: Trop
Hansen	H2O Conc, Stratospheric	1864						3% ::	IIWk	500 km :: G	Column :: Strat
			TES	CHEM	Bear	1843	BM	:: 0.5 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
			HIRDLS	CHEM	Barnett, Gille	1837	₹	5-10%:: 1-10%	2/day [d.n]	4x4dg::G	1 km :: 7-80 km
			MLS	MO	Waters	1838	W	:: 2% <50km	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 100 km
			SAFIRE	MO	Russell	1839	ΑM	:: 5% (20-80 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-100 km
Hansen	Humidity Profile	1812						3%::	IIWE	500 km :: G	:: Atmos
			HIRDLS	CHEM	Barnett, Gille	1837	ВМ	5-10%:: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-80 km
			MLS	OM M	Waters	1838	VΨ	:: 2% <50km	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 100 km
			SAFIRE	MO	Russell	1839	AM	:: 5% (20-80 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-100 km
Hansen	Humidity Profile	1813						3% ∷	IIwk	500 km :: G	:: Trop
			TES	CHEM	Вест	1842	W	:: 50 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
			TES	CHEM	Beer	1844	AM	:: 50 ppm	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
Hansen	Industrial Emissions Conc	1372						2% ∷	I/wk	500 km :: G	:: Trop
			HIRDLS	CHEM	Barnett, Gille	1085	AM.	5-10% :: 1-10%	2/day [d.n.]	4 x 4 dg :: G	1 km:: 7-65 km
			TES	CHEM	Вся	1256	AM.	:: 300 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km

Appendix N: IDS Input Requirements Not Met until Year 2001

	IDS Indet Data Product	_	33	JStrument	EOS Instrument Output Data Product		_	Accuracy			
Investigator	4	# P	Instr.	Platform	Investigator Prod # Match	Prod#	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Hansen	Irradiance, Solar 2272	2						0.05% ::	IIwk	500 km :: G	*:TOA
		L_	ACRIM	МО	Willson	2274	BM	0.1% :: 0.0005%	1/(2 min)	N/A:: N/A	N/A:: TOA
Hansen	N20 Conc 1230	888							I/wk	500 km :: G	:: Trop
		_	HIRDLS	CHEM	Barnett, Gille	1239	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-60 km
Hansen	03 Conc 1307							3% ::	IIwk	500 km :: G	:: Atmos
		<u>. </u>	HIRDLS	CHEM	Bernett, Gille	1318	BM	5-10% :: 1-10%	2/day [d.n.]	4 x 4 dg :: G	1 km :: 7-80 km
		1	MLS	QW W	Waters	1319	¥	<= 3% :: 1%(<50km)	2/day [d.n.]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 110 km
		<u> </u>	MIS	οW	Waters	1328	₩	:: 10%	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 70 km
			TES	CHEM	Bea	1323	¥	:: 20 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
		<u>. </u>	TES	CHEM	Вса	1324	¥	:: 3 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
	*	L_	TES	CHEM	Bear	1325	ΑM	:: 13 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
Hansen	Snow Cover 3009	2						0.02 ::	I/wk	200 km :: Land	:: Sfc
		1	HIRIS	AM2	Dozie	3019	Æ	5%:: 2%	1/wk, 1/mo	50 m :: Cryo∕L	N/A :: Sfc
Hansen	Temperature Profile 1573	2						03C::	IIwk	200 km :: G	:: Strat
		i	HIRDLS	CHEM	Barnett, Gille	1608	BM	1K;2K>50km :: 0.3K;1K>50km	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km
		L	GGI	ALT	Melbourne	1605	MA	1 K :: 1 K	700 ret/day	1-200 km :: G	1 km :: 5 - 50 km
		L	MLS	МО	Waters	1609	WΥ	:: 2K <100km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-825	2.5 km [1.2] :: TPSE, 120 km
		_	SAFIRE	MO	Russell	1610	AM	:: <0.5K(16-65 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km:: 10-110 km
Hansen	Vegetation Type 2731	<u>≅</u>						5%::	IIwk	500 km :: Land	:: 2/c
		1	HIRIS	AM2	Wessman	2644	WV	10% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Hansen	Wind Velocity, Sea sfc 1663	33						10% ::	IIwk	500 km :: Ocean	:: 5/c
		<u>0</u>	STIKSCAT	CHEM	Freilich	1679	ВМ	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near_Sfc
Haris	Chlorophyll a Conc 3454	2						40% :: 20%	2-10 days	0.25-1 Im:: OceanIR	
			HIRIS	AM2	Carder, Melack	2565	AM	100% :: 50%	1/(2 day) [d]	60-90 m :: Ocean-II/L	N/A :: T00
Haris	Chlorophyll a Conc 3456	95						20-30% :: 10-15%	2-10 days	0.25-1 km :: Ocean/R	
		\exists	HIRIS	AM2	Carder, Davis	2564	ΨĄ	50% :: 25%	1/(2 day) [d]	30-90 m :: Ocean-I/L	N/A :: T00
Haris	Cloud Cover	<u>~</u>						5-10% :: 2-5%	2)day	5-50 km :: Ocean/R	
		_	GLRS-A	ALT	Spinhime	2078	Æ	1%::	1/(2-16 day)	10-200 km :: G	:: V/A ::
Haris	Gelbstoff Absorption Coef 3453	2						20% :: 10%	2-10 days	0.25-1 km:: Ocean/R	
		┪	HIRIS	AM2	Carder, Melack	3215	BM	50% :: 25%	1/(2 day) [d]	30-90 m :: Ocean-I/L	N/A:: T00
Haris	Level-1B Backscatter Coef, HIRIS 3448	ઃ∷ા જ						20% :: 10%	2-10 days	0.25-1 km :: Ocean/R	
			HIRIS	AM2	Carder, Melack	3210	BM-	50% :: 25%	1/(2 day) [d]	30-90 m :: Ocean/L	N/A :: Sfc
Haris	Ocean Productivity, Primary 3460	8						30% 5%	Ilday	1-20 km :: Ocean/R	
		f	HIRIS	VW2	Davis, Melack et	7601	¥	100% :: 50%	1/(>=2 day)	30-90 m :: Ocean/L	N/A:: T00
Harris	Ocean Wave Height 3431	<u>∞4</u>	:	:	Ġ	?	76	10-20% :: 5-20%	1-10 days	7.25 km :: Ocean/R	MA :: Cf.
	2750	T _s	7	7	7.7	3		204104.	2.10 days	0.25-1 bm · OceanIR	
Maria	righted Cone, Accessory	ند ۱	HIRIS	AM2	Davis, Melack	3072	BM	100% :: 50%	1/(>=2 day)	60-90 m :: Occan-1/L	N/A:: T00
Harris	Sea Level Heisht. Alone-track 3427	2						2%:: 1%	1-10 days	7-25 km :: Ocean/R	
		4	ΛLT	ALT	묜	3112	BM	10 ст ::		7 km :: Ocean	N/A :: Sfc
Harris	Sea Mc Topographic Height 3429	2						2% :: 1%	1-10 days	7-25 km :: Ocean/R	
			ALT	ALT	æ	3108	BM	Scm et al ::	1/(16 day)	25 km :: Ocean	N/A :: Sfc
Haris	Wind Speed. Sea sfc 3435	۳						5-10% :: 2-10%	1-10 days	1-25 km :: Ocean/R	NIA :: Sfc
			ALT	ALT	F	1735	BM	2 m/s ::		7 km :: Ocean	N/A :: Sfc
Haris	Wind Velocity 3433	3						10%,20% .: 5%,10%	l day	25 km :: OcraviR	NIA :: SSC
		_	TAYOUT	CHEM	Emilich	0071	Ma	100. 16 400	1//7 dev)	26 km :: Octob	N/A :: Name Of

6.

Appendix N: IDS Input Requirements Not Met until Year 2001

	IDS Incut Data Product	-	FOS Instrum	sefranment	and Outrant Data Draduct	Product	-	A constant	Tomograph	Undergraphy	Vention
Investigator		Prod#	Instr. F	Platform	m Investigator Prod # Match	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
1	Wind Velocity 3434	z						7%,14% 5%,10%	2 days	100 km :: Ocean/R	NIA :: Sfc
		ST	STIKSCAT	CHEM	Freilich	1679	BM	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A:: Near_Sfc
Hartmann	Cloud Drop Size-distribution 1775	2						20% :: 20%	1/day	10 km :: G	0-15 km :: Cloud
			HIRLS	AM2	Welch	1776	AM	20%:: 10%	1/(2-16 day)	30 m :: L	:: Cloud
Harimann	Cloud Optical Depth 2306	98						25% :: 0.25	liday	10 km :: Ocean	NIA :: Cloud
		٦	GLRS-A	ALT	Spinhime	2300	ΑM	20% ::	1/(2-16 day)	1-100 km :: G	
Hartmann	Temperature Profile 1575	75						1::1	1/40)	10 km :: Ocean	1 km :: 0-15 km
			TES	CHEM	Вея	1614	AM	:: 2 K	1/(16 day)	16 x 5 km :: G	1 km, 4-6 km :: 0-12 km
Harimann	Wind Velocity, Sea_sfc 1664	2				-		2 m/s :: 2 m/s	l/day	50 km :: Ocean	NIA :: Sfc
			STIKSCAT	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
		S	STIKSCAT	CHEM	Freilich	1679	ΑM	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A:: Near_Sfc
Isacks	Aerosol Layer Boundary Height 1015	3333						75 m.::	llevent, Ilmo	2 km :: LandiR	75 m :: Atmos
		٥	GLRS-A	ALT	Spinhime et al	1014	ВМ	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Atmos
Isacks	Drainage Network Structure 2902	333							Ilmission, Ilyr	15-30 m :: LandiR	NIA :: Sfc
		L	HIRIS	AM2	Kieffer, Clark	2884	AM.	:: 30%		30m::L	N/A:: Sfc
/sacks	Glacier Cover 2923	23	-					5%::2%	//seas	10-30 m :: Land/L	NIA :: SJC
			HIRIS	AM2	Dozier	2922	BM	5%:: 2%	1/wk, 1/mo	50 m :: Glacier/L	N/A :: Sfc
			HIRIS	AM2	Kieffer	2895	AM	1%:: 0.2%	1/yr	30 m :: Glacier/L	N/A :: Sfc
/sacks	Humidity Profile 1815	<u> </u>						10% :: 0.05	I/wk	50 km :: Land/R	2 km :: Trop
		_	TES	CHEM	Вест	184	ΑM	:: 50 ppm	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
Isacks	Ice Sheet Elevation 290	2908						0.1 ::	2/yr	10 m :: LandlCyro	NIA :: Sfc
	1	٦	GLRS-A	ALT	Bentley	2912	BM	100 mm :: 100 mm	1/mo	75 m :: Land/Cryo	N/A :: Sfc
		L	ALT	ALT	Zwally	1167	ΑM	.5ო-5ო ::	1/yr	15 km :: Land/Cryo	N/A:: Sfc
Isacks	Landform Feature Distribution 2851	31							I/mission	15-30 m :: LandiR	NIA :: SSc
		۷	GLRS-A	-	Schutz et al	2858	BM	100-500mm ::	1/wk, 1/yr	0.1-10 km :: Land	100-500 mm :: Sfc
		-	HIRIS	AM2	Kieffer, Clark	2884	BM	:: 30%		30 m :: L	N/A :: Sfc
/sacks	Mineral Conc, Rock-Soil 2778	78							Ilmission, Ilmo	15-30 m :: LandIL	NIA :: Sfc
			HIRIS	AM2	Rowan, Clark	2766	ΑM	10% :: 5%	1/scas	30 m :: Land/L	N/A:: Sfc
			HIRIS		Rowan, Clark	2772	AM	10%:: 5%	1/scas	30 m :: Land/L	N/A:: Sfc
			HIRIS	AM2	Rowan, Clark	2776	AM	10% :: 5%	1/scas	30 m :: Land/L	N/A:: Sfc
			HIRIS	AM2	Rowan, Clark	2784	VΨ	10% :: 5%	1/scas	30 m :: Land/L	N/A:: Sfc
/sacks	Optical Depth, Total 237.	2326						S-15% :: 1-10%	I/wk	10-50 km :: Land/R	Column :: Atmos
		-	GLRS-A	ALT	Spinhime et al	1677	ΑM	20% ::	1/(2-16 day)	2-200 km :: G	N/A :: Atmos
/sacits	River Channel Patterns 290	2982								15-30 m :: LandIL	N/A :: Sfc
		\dashv	HIRIS	AM2	Kieffer, Clark	2884	¥	:: 30%		30 m :: L	N/A:: Sfc
Isacks	Snow Cover 30.							5%::2%	liseas	15-30 m :: LandiL	N/A :: Sfc
		\dashv	HIRIS	AM2	Dozier	3019	BM	5%:: 2%	1/wk, 1/mo	50 m :: Cryo/L	N/A:: Sfc
Isacks	Temperature Profile 15.	1576						1 :: 0.4	I/wk	50 km :: LandIR	I km :: Trop
		-	TES	CHEM	Bear	1614	Ą	:: 2 K	1 /(16 day)	16 x 5 km :: G	1 km, 4-6 km :: 0-12 km
/sacks	Vegetation Biomass, Green 26	2017						40% :: 15%	Ilmo	30 m :: Land/L	N/A :: Sfc
	MATERIAL PROPERTY OF THE PROPE		HIRIS	AM2 1	Ustin, Wessman	2620	BM	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Isacks	Vegetation Index 27.	2743						1::1	I/mo	240-500 m :: Land/R	N/A :: Sfc
			HIRIS	AM2	Ustin et al	2746	ΑM	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
/sacks	Vegetation Index 27-	2744						1::0.5	IImo	30-60 m :: Land/L	NIA :: S/c
		-	HIRIS	AM2	Ustin ct al	2746	¥	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Kerr, Sorooshian Aerosol Conc	j	1007						5% :: 5%	I/day	25 km :: Land	3 km :: Atmos
			HIRDLS	CHEM	Barnett, Gille	1992	AM.	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-30 km

Appendix N: IDS Input Requirements Not Met until Year 2001

Platform Investigator Prod # Match	Match AM AM	M 1/(1.3 n	100 100	Resol :: Cover. :: Cloud :: Cloud :: Cloud
140 TES CAEM Bear 2008 AM		E		:: Cloud :: Cloud ! km :: Almos I km :: Almos NIA :: Cloud 100 mb :: Trop 75 m :: Cloud NIA :: Cloud NIA :: Cloud :: Cloud :: Cloud :: Sfc NIA :: Sfc NIA :: Sfc NIA :: Sfc NIA :: Sfc NIA :: Sfc NIA :: Sfc NIA :: Sfc NIA :: Sfc NIA :: Sfc NIA :: Sfc NIA :: Sfc
HIRIS AM2 Weeth 2008 AM	Welch 2008 AM	E		Cloud I km :: Almos I km :: Almos NIA :: Cloud NIA :: Cloud NIA :: Cloud NIA :: Cloud NIA :: Cloud NIA :: Cloud NIA :: Cloud NIA :: Cloud NIA :: Ste
1140 TES CHEM Beer 3637 BM LIRES AM2 Weekh 2079 AM LIRES AM2 Weekh 2079 AM LIRES AM2 Weekh 2079 AM LIRES AM2 Weekh 2079 AM LIRES AM2 Weekh 1390 AM LIRES AM2 Weekh 1390 AM LIRES AM2 Weekh 1390 AM LIRES AM2 Weekh 1390 AM LIRES AM2 Weekh 1390 AM LIRES AM2 Weekh 1390 AM LIRES AM2 Weekh 1390 AM LIRES AM2 Weekh 1390 AM LIRES AM2 Weekh 1390 AM LIRES AM2 Weekh 1390 AM LIRES AM2 Weekh 1390 AM LIRES AM3 Weekh 1391 AM4 LIRES LIRES LIRES LIRES LIRES AM4 LIRES AM4 LIRES LIRE	Beer 3637 BM	E		1 km :: Almos NIA :: Cloud NIA :: Cloud 100 mb :: Trop 75 m :: Cloud NIA :: Cloud 75 m :: Cloud 1.00 md 1.00
TES CHEN Bee 3671 BM	Spinhirne et al 1389 BM	E		NIA :: Cloud NIA :: Cloud :: Cloud 100 mb :: Trop 75 m :: Cloud NIA :: Cloud :: Clo
135 C1RS-A ALT Squinine 2079 AM	Spinhime 2078 AM Weich 2079 AM Spinhime et al 1389 BM Weich 1390 AM Spinhime et al 1425 AM Weich, Goetz 1426 AM Weich, Goetz 1426 AM Weich, Goetz 1426 AM Siater 2432 BM Gersti 2035 AM Rowan, Cirit 2772 AM Rowan, Cart 2772 AM Kieffer, Clark 2784 BM Kieffer, Clark 2884 BM Barnett, Gille 1608 AM Barnett, Gille 1608 AM	E		N/A :: Cloud N/A :: Cloud N/A :: Cloud N/A :: Cloud N/A :: Cloud N/A :: Cloud N/A :: Cloud N/A :: Cloud N/A :: Cloud N/A :: Cloud N/A :: Sfc N/A :: Sf
CLRS-A ALT Spinblime 2078 AM	Spinhirne 2078 AM Wekh 2079 AM Spinhirne et al 1389 BM Wekh 1390 AM Welch, Goetz 1425 AM Welch, Goetz 1426 AM Welch, Goetz 1426 AM Welch, Goetz 1426 AM Siater 2432 BM Gerstl 1524 BM Rowan, Clark 2772 AM Rowan, Clark 2772 AM Rowan, Clark 2772 AM Kieffer, Clark 2884 BM Kieffer, Clark 2884 BM Barnett, Gille 1608 AM Wessman 2644 AM	F		N/A :: Cloud 100 mb :: Trop 100 mb :: Trop 15 m :: Cloud 17 m :: Cloud 17 m :: Cloud 17 m :: Cloud 17 m :: Cloud 17 m :: Cloud 17 m :: Cloud 17 m :: Cloud 17 m :: Cloud 17 m :: Cloud 17 m :: Sfc 1
185 CLRS-A ALT Spinhime et al 1399 AM	Wekh 2079 AM Spinblime et al 1389 BM Wekh 1390 AM Spinblime et al 1425 AM Welch, Goetz 1426 AM Welch, Goetz 1426 AM Welch, Goetz 1426 AM Slater 2432 BM Gerstl 2035 AM Rowan, Clark 2772 AM Rowan, Clark 2772 AM Rowan, Clark 2784 AM Kieffer, Clark 2884 BM Kieffer, Clark 2884 BM Barnett, Gille 1608 AM Wessman 2644 AM	E		:: Cloud 100 mb :: Trop 75 m:: Cloud NA :: Cloud NA :: Cloud :: Cloud :: Cloud :: Sfc NA :: Sfc NA :: Sfc
1885 1885	Spinhirne et al 1389 BM Welch 1390 AM Spinhirne et al 1425 AM Welch, Goetz 1426 AM Welch, Goetz 1426 AM Welch, Goetz 1426 AM Siater 2281 AM Gerstl 2035 AM Rowan, Clark 2772 AM Rowan, Clark 2772 AM Rowan, Clark 2784 AM Kieffer, Clark 2884 BM Kieffer, Clark 2884 BM Barnett, Gille 1608 AM Wessman 2644 AM			100 mb :: Trop 75 m :: Goud NA :: Goud 75 m :: Cloud 77 m :: Cloud 17 Cloud
CILRS.A ALT Spinbirne et al 1389 BM	Spinhime et al 1389 BM			75 m:: Goud N/A:: Goud :: Cloud 75 m:: Goud N/A:: Goud :: Cloud :: Sfc N/A:: Sfc N/A:: Sfc N/A:: Sfc N/A:: Sfc N/A:: Sfc
HIRIS AM2 Wech 1390 AM	Welch 1390 AM Spinhirne et al 1425 AM Welch, Goetz 1426 AM Welch, Goetz 1426 AM Siater 2432 BM Gerstl 2035 AM Rowan, Clark 2772 AM Rowan, Clark 2772 AM Rowan, Clark 2784 AM Kieffer, Clark 2884 BM Kieffer, Clark 2884 BM Wessman 2644 AM			NIA:: Cloud :: Cloud 75 m:: Cloud NIA:: Cloud :: Cloud :: Cloud :: Sfc NIA:: Stc NIA:: Stc NIA:: Stc Stm:: Trop
C. Directional 1417 GLRS-A ALT Spinbirne et al 1425 AM Ontent 1905 HIRIS AM2 Welch, Goetz 1426 AM Cc. Directional 2428 HIRIS AM2 Sinter 2231 AM HIRIS AM2 Geral 2035 AM HIRIS AM2 Rowan, Clark 2774 AM HIRIS AM2 Rowan, Clark 2784 BM Le 1377 HIRIS AM2 Restin AM Avea HIRIS AM2 Geral 2784 AM Listin, Geral 2784 AM AM AM AM Listin, Geral 2784 AM AM AM AM Le 1377 HIRIS AM2	Spinhirne et al 1425 AM Welch, Goetz 1426 AM Welch, Goetz 1426 AM Shaer 2432 BM Geral 2035 AM Barnett, Gille 1524 BM Rowan, Clark 2772 AM Rowan, Clark 2772 AM Rowan, Clark 2784 AM Kieffer, Clark 2884 BM Kieffer, Clark 2884 BM Wessman 2644 AM			:: Cloud 75 m:: Cloud N/A:: Cloud :: Cloud :: Sfc N/A:: Sfc N/A:: Sfc N/A:: Sfc N/A:: Sfc 3 km:: Trop
CLRS.A ALT Spinhime et al 1425 AM	Spinhlirne et al 1425 AM Welch, Goetz 1426 AM Welch, Goetz 1426 AM Slater 2432 BM Gerstl 2035 AM Rowan, Clark 2772 AM Rowan, Clark 2772 AM Rowan, Clark 2772 AM Rowan, Clark 2784 AM Kieffer, Clark 2884 BM Kieffer, Clark 2884 BM Wessman 2644 AM			75 m:: Cloud N/A :: Cloud :: Cloud :: Sfc N/A :: Sfc N/A :: Sfc N/A :: Sfc 3 km :: Trop
HIRIS AM2 Welch, Goetz 1426 AM	Welch, Goetz 1426 AM Welch, Goetz 2281 AM Slater 2432 BM Geral 2035 AM Rowan, Clark 2772 AM Rowan, Clark 2772 AM Rowan, Clark 2772 AM Rowan, Clark 2772 AM Rowan, Clark 2784 AM Kieffer, Clark 2884 BM Kieffer, Clark 2884 BM Wessman 2644 AM			N/A :: Cloud :: Cloud :: Cloud :: Sfc :: Sfc N/A :: Sfc N/A :: Sfc 3 km :: Trop
1905 HIRIS AM2 Wekh 2281 AM	Wekh 2281 AM			:: Cloud :: Cloud :: Sfc :: Sfc NA:: Sfc NA:: Sfc 3 km:: Trop
HIRIS AM2 Welch 2281 AM4	Weich 2281 AM			:: Cloud :: 5/c :: 5/c NA:: S/c NA:: S/c 3 km:: Trop
HRIS AM2 Slater 2432 BM 1518	Sinter 2432 BM Gerati 2035 AM Barnett, Gille 1524 BM Rowan, Clark 2772 AM Rowan, Clark 2784 AM Kieffer, Clark 2884 BM Kieffer, Clark 2884 BM Barnett, Gille 1608 AM Wessman 2644 AM			:: Sfc N/A:: Sfc N/A:: Sfc 3 km:: Trop
HIRIS AM2 Slater 2432 BM	Sinter 2432 BM Gersti 2035 AM Barnett, Gille 1524 BM Rowan, Clark 2772 AM Rowan, Clark 2784 AM Kieffer, Clark 2884 BM Kieffer, Clark 2884 BM Barnett, Gille 1608 AM Wessman 2644 AM			N/A:: Sfc N/A:: Sfc 3 km:: Trop
HIRIS	Gerst 2035 AM			N/A :: Sfc 3 km :: Trop
1518	Barnett, Gille 1524 BM Rowan, Clark 2772 AM Rowan, Clark 2784 AM Clerati 2035 BM Kieffer, Clark 2884 BM Barnett, Gille 1608 AM Wessman 2644 AM			3 km :: Trop
HIRIS	Burnett, Gille 1524 BM			
HIRIS AM2 Rowan, Clark 2772 AM	Rowan, Clark 2772 AM Rowan, Clark 2784 AM Gertl 2035 BM Kieffer, Clark 2884 BM Barnett, Gille 1608 AM Wessman 2644 AM			0.2 km :: 7-80 km
HIRIS AM2 Rowan, Clark 2772 AM HIRIS AM2 Rowan, Clark 2784 AM HIRIS AM2 Rowan, Clark 2784 AM injficant Mappable 2882 HIRIS AM2 Kiteffer, Clark 2884 BM HIRIS AM2 Westman 2741 AM 2630 HIRIS AM2 Ustin, Westman 2741 AM HIRIS AM2 Ustin, Westman 2741 AM HIRIS AM2 Ustin, Westman 2741 AM HIRIS AM2 Ustin, Westman 2741 AM HIRIS AM2 Ustin, Westman 2757 AM HIRIS AM2 Ustin, Westman 2757 AM HIRIS AM2 Ustin, Westman 2757 AM HIRIS AM2 Ustin, Clark BM 2636 HIRIS AM2 Ustin, Clark BM HIRIS AM2 Ustin, Clark BM 2636 HIRIS AM2 Ustin, Clark BM 2637 HIRIS AM3 Ustin, Clark BM 2637 HIRIS AM3 Ustin, Clark BM 2637 HIRIS AM3 Ustin, Clark BM 2637 HIRIS AM3 Ustin, Clark BM 2638 HIRIS AM3 Ustin, Clark BM 2638 HIRIS AM3 Ustin, Clark BM AM3 Ustin, Clark BM AM4 Ustin, Clark BM AM5 Ustin, Clark BM AM6 Ustin, Clark BM AM7 Ustin, Clark BM AM8 Ustin, Clark BM AM8 Ustin, Clark BM AM8 Ustin, Clark BM AM9 Ustin,	Rowan, Clark 2772 AM Rowan, Clark 2784 AM Gertl 2035 BM Kieffer, Clark 2884 BM Barnett, Gille 1608 AM Wessman 2644 AM			:: 5/c
HIRIS AM2 Rowan, Clark 2784 AM	Rowan, Clark 2784 AM Cleral 2035 BM Kieffer, Clark 2884 BM Barnett, Gille 1608 AM Wessman 2644 AM		30 m :: Land/L	N/A :: Sfc
retional, (BRDF) 2042 HIRIS AM2 Gestil 2035 BM inficant Mappable 2882 HIRIS AM2 Kieffer, Clark 2884 BM 1577 HIRDLS CHEM Barnet, Gille 1608 AM 1500 HIRIS AM2 Ustin, Wessman 2741 AM HIRIS AM2 Ustin, Wessman 2741 AM HIRIS AM2 Ustin, Wessman 2741 BM HIRIS AM2 Ustin, Wessman 2741 BM HIRIS AM2 Ustin, Wessman 2741 BM HIRIS AM2 Ustin, Wessman 2741 BM HIRIS AM2 Ustin, Wessman 2741 BM HIRIS AM2 Ustin, Wessman 2741 BM HIRIS AM2 Ustin, Wessman 2741 BM HIRIS AM2 Ustin, Wessman 2741 BM HIRIS AM2 Ustin, Wessman 2741 BM HIRIS AM2 Ustin, Wessman 2741 BM HIRIS AM2 Ustin, Wessman 2741 BM HIRIS AM2 Ustin, 2655 BM siry 2638 HIRIS AM2 Ustin 2655 BM 2733 HIRIS AM2 Ustin 2655 BM	Certi 2035 BM		as 30 m :: Land/L	N/A :: Sfc
HIRIS AM2 Gerat 2035 BM	Cleral 2035 BM		as N/A :: Land	NIA :: Sfc
HIRIS AM2 Kieffer, Clark 2884 BM 1577	Kieffer, Clark 2884 BM Barnett, Gille 1608 AM Wessman 2644 AM		1/(16 day) 30 m :: Land/L	N/A :: Sfc
HIRLS	Kieffer, Clark 2884 BM	Ilyr	30 m :: Land/R	:: 5/c
1577 HIRDLS CHEM Barnett, Gille 1608 AM 1610	Barnett, Gille 1608 AM Wessman 2644 AM	:: 30%	30 m :: L	N/A :: Sfc
2630 HIRDLS CHEM Barnett, Gille 1608 AM HIRLS AM2 Weseman 2644 AM HIRLS AM2 Ustin, Weseman 2741 AM HIRLS AM2 Ustin, Weseman 2741 AM HIRLS AM2 Ustin, Weseman 2741 BM HIRLS AM2 Ustin, BM HIRLS AM2 Ustin 2655 BM 2636 HIRLS AM2 Ustin 2655 BM sib directional, (BRDF) 2046 HIRLS AM2 Ustin 2655 BM asiy 2638 HIRLS AM2 Ustin 2655 BM 2733 HIRLS AM2 Ustin 2655 BM 2733 HIRLS AM2 Ustin 2655 BM	Barnett, Gille 1608 AM Wessman 2644 AM	1 K :: 1 K	sy 50 km :: Land	I km :: Aimos
2630 HIRIS AM2 Wessman 2644 AM HIRIS AM2 Ustin, Wessman 2741 AM HIRIS AM2 Ustin, Wessman 2741 AM HIRIS AM2 Ustin, Wessman 2741 AM HIRIS AM2 Ustin 2657 AM HIRIS AM2 Ustin 2656 BM Bi-directional, (BRDF) 2046 HIRIS AM2 Gerstl 2015 BM airy 2638 HIRIS AM2 Ustin 2656 BM 2834 2844 AM2 Gerstl 2015 BM 2733 HIRIS AM2 Ustin 2655 BM	Wessman 2644	1K;2K>50km :: 0.3K;1K>50km 2/day [d,n]		1 km :: 7-80 km
HIRIS AM2 Wessman 2644 AM	Wessman 2644	5% :: 5% I/seas		NIA :: Sfc
2634 HIRLS AM2 Ustin, Wessman 2741 AM 2634 HIRLS AM2 Ustin, Wessman 2741 BM HIRLS AM2 Ustin, 2657 AM HIRLS AM2 Ustin 2658 BM 2656 BM Density 2638 HIRLS AM2 Gerstl 2005 BM 2733 HIRLS AM2 Ustin 2655 BM 2678 BM 2678 BM 2733 HIRLS AM2 Ustin 2657 BM			5 day) 30 m :: Land/L	N/A :: Sfc
2634 HIRIS AM2 Ustin, Weseman 2741 BM HIRIS AM2 Ustin, Weseman 2741 BM AM2 Ustin, Ustin 2657 AM AM3 Ustin 2657 AM4 AM2 Ustin 2658 BM BM BM3 AM2 Gerstl 2005 BM BM Density 2638 HIRIS AM2 Ustin 2657 BM AM3 AM3 AM3 AM3 BM 2733 BM AM3 AM4 Ustin 2657 BM	Ustin, Wessman 2741	20%:: 10% 1/(2-16 day)	5 day) 30 m :: Land/L	N/A:: Sfc
HIRIS AM2 Ustin, Wessman 2741 BM HIRIS AM2 Ustin 2657 AM 2616 HIRIS AM2 Ustin 2656 BM nace, Bi-directional, (BRDF) 2046 HIRIS AM2 Gerstl 2005 BM Density 2638 HIRIS AM2 Ustin 2657 BM 2733 HIRIS AM2 Ustin 2657 BM 2657 BM 2733 WHIRIS AM2 Ustin 2657 BM			60 m :: Land/R	:: S/c
HIRLS AM2 Ustin 2657 AM HIRLS AM2 Ustin 2656 BM ctance, Bi-directional, (BRDF) 2046 HIRLS AM2 Geratl 2005 BM al Density 2638 HIRLS AM2 Geratl 2005 BM 2733 HIRLS AM2 Geratl 2005 BM 2733	Ustin, Wessman 2741		5 day) 30 m :: Land/L	N/A :: Sfc
AT 2636 HIRLS AM2 Ustin 2656 BM clance, Bi-directional, (BRDF) 2046 HIRLS AM2 Ustin 2656 BM al Density 2638 HIRLS AM2 Gerati 2005 BM 2 2733 HRIS AM2 Ustin 2657 BM 2	Ustin 2657		6 day) 30 m :: Land/L	N/A:: Sfc
clance, Bi-directional, (BRDF) 2046 HIRLS AM2 Ustin 2656 BM al Density 2036 HRLS AM2 Gerati 2035 BM 2035 BM <td></td> <td></td> <td>as 30 m :: Land/R</td> <td>:: S/c</td>			as 30 m :: Land/R	:: S/c
clance, Bi-directional, (BRDF) 2046 HIRLS AM2 Gerat 2035 BM 2 al Density 2638 HRIS AM2 Ustin 2657 BM 2 2733 AM2 Ustin 2657 BM 2	Ustin 2656	40% :: 20% 1/(2-16 day)	6 day) 30 m :: Land/L	N/A :: Sfc
al Density 2638 AM2 Geral 2035 BM 2 2638 AM2 Ustin 2657 BM 2733		10% :: 10%	as NIA:: Land	NIA :: Sfc
al Density 2638 HIRLS AM2 Ustin 2657 BM 22733	Gerstl 2035	5%:: 5% 1/(16 day)	day) 30 m :: Land/L	N/A:: Sfc
2733 AM2 Ustin 2657 BM			60 m :: LandiR	3/S::
1713	Ustin 2657		1/(2-16 day) 30 m :: Land/L	N/A :: Sfc
		Ilseas		:: 5/c
HIRIS AM2 Wessman 2644 BM	\dashv		_	N/A :: Sfc
HIRIS AM2 Ustin ct at 2746 AM 20%::10%	Ustin et al 2746		1/(2-16 day) 30 m :: Land/L	N/A:: Sfc
Lau Albedo, Snow 2018 10% 10%		10% :: 10% IIwk	7	NIA :: Sfc
	Dozier 2440		1/wk, 1/mo 50 m :: Land/L	N/A:: Sfc

Appendix N: IDS Input Requirements Not Met until Year 2001

	IDC Inmed Date Deschies		303				-			1	
\vdash		* 7 2	3	The second	The second of th	Liroduc		Accuracy	lempora:	Horizontal	Vertical
DIE STILL		*	Insur.		riationii investigator irrod# iviaten	# 201.	IVI BUCU	ADS :: Kel	Kesolution	Kesol :: Cover.	Kesol :: Cover.
8	Cloud Cover	2054						5%:: 5%	2/407	50 km :: R	N/A :: Atmos
			GLRS-A	ALT	Spinhime	2078	AM	1%::	1/(2-16 day)	10-200 km :: G	N/A::
Law	Cloud Cover, Cirrus	2070						5% :: 5%	liday	100 km :: G	NA::
			GLRS-A	ALT	Spinhime	1410	W	0.2 ::	1/(2-16 day)	1-10 km :: G	75 m ::
			GLRS-A	ALT	Spinhime	1400	AM	75m::	1/(2-16 day)	.2-10 km :: G	75 m ::
			GLRS-A	ALT	Spinhime	2078	ΑM	1%::	1/(2-16 day)	10-200 km :: G	N/A ::
Lan	Cloud Height, Cirrus	1402						100 ™ ::	2/40)	50 lon :: G	N/A :: Atmos
			GLRS-A	ALT	Spinhime	1410	AM	0.2 ::	1/(2-16 day)	1-10 km :: G	75m::
			GLRS-A	ALT	Spinhime	1400	AM	75m::	1/(2-16 day)	.2-10 lcm :: G	75 m ::
Lau	Drainage_Basin Boundary	7067						100m/2 :: 100m/2	Ilmission	10 m :: Landil.	N/A :: Sfc
			HIRIS	AM2	Kieffer, Clark	2884	-WY	:: 30%		30 m :: L	N/A :: Sfc
Lau	River Channel Geometry, Major-stream	3049						01 :: 01	I/mission	30 m :: LandiR	NIA :: Sfc
			HIRIS	AM2	Kieffer, Clark	2884	ΑM	:: 30%		30 m :: L	N/A :: Sfc
Ton.	Snow Cover	3012						50 :: 10	1/wk	100 m :: Land/L	N/A :: Sfe
		_	HIRIS	AM2	Dozia	3019	BM	5%:: 2%	1/wk, 1/mo	50 m :: Crvo/L	N/A :: Sfc
Lau	Vegetation Type	2734							//seas	30 m :: Landl.	NIA :: Sfc
	:	_	HIRIS	AM2	Wessman	264	ВМ	10% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			HIRIS	AM2	Ustin ct al	2746	Æ	20% :: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Law	Wind Speed	1739						0.5 m/s :: 2%	2/day	D:: ₩2 001	NIA :: Sfc
			STIKSCAT	CHEM	Freilich	1679	Æ	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near_Sfc
Lau	Wind Stress	1743						0.01 ::		:: Ocean	NIA :: Sfc
			STIKSCAT	CHEM	Freilich	1746	BM			:: Ocean	:: Sfc
Liu	Cloud Cover	2055								:: Ocean	N/A :: Cloud
			GLRS-A	ALT	Spinhime	2078	AM	1%::	1/(2-16 day)	10-200 km :: G	N/A ::
Lin	Topographic Elevaton, Sea sfc	3123						3 ст.: 3 ст		:: Ocean	NIA :: Sfc
			ALT	ALT	æ	3108	BM	Som et al ::	1/(16 day)	25 km :: Ocean	N/A:: Sfc
			ALT	ALT	균	3112	AM	10 cm ::		7 km :: Ocean	N/A :: Sfc
Lin	Wind Direction	1702						10 dg :: 10 dg	1/day	25 km :: Ocean	NIA :: Sfc
			STIKSCAT	CHEM	Freilich	1680	ВМ	:: 10%; 16 deg	1/(2 day)	25 km :: Occan	N/A:: Near_Sfc
Liu	Wind Speed, Sea_sfc	1713						1::1	I/day	25 km :: Ocean	NIA :: Sfe
			STIKSCAT	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A:: Near_Sfc
Moore	Aerosol Conc	1008						50% ::	11(2 day)	I lon :: G	
			HIRIS	AM2	Gerstl	2292	AM.	0.05 :: 0.01	1/(2-16 day)	100 m :: L	Column :: Atmos
Moore	Aerosol Conc	1000						50% ::	1/(2 day)	30 m :: L	
			HIRIS	AM2	Gersti	2292	AM-	0.05 :: 0.01	1/(2-16 day)	100 m :: L	Column :: Atmos
Moore	CO Conc	1118						25% :: 10%	Ilday	100 km :: G	:: Trop
			MLS	WO	Waters	1124	ΨV	<=5% :: 3x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 60 km
Moore	Cloud Cover	2057						10% :: 10%	I/wk	I km :: G	
			HIRIS	AM2	Welch	2079	WΥ	1%:: 0.5%	1/(1-3 min), 1/(2-16 day)	30 m :: L	:: Cloud
Moore	03 Conc	1309						25% :: 10%	Ilday	100 km :: G	:: Atmos
			HIRDLS	CHEM	Barnett, Gille	1318	WV	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km
			TES	CHEM	Bear	1324	Ψ¥	:: 3 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
			TES	CHEM	Вса	1325	ΑM	:: 13 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
Moore	PAR	2328						20% :: 10%	IIday, IIwk	30 m :: LandlL	
			HIRIS	AM2	Ustin, Wessman	2030	BM	25%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore	Pigment Conc. Non-photosynthetic	2692						20% :: 20%	11(16 day)	I km :: Land/R	:: 5/c
j			HIRIS	AM2	Wessman, Aber	2648	AM-	40%:: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc

Appendix N: IDS Input Requirements Not Met until Year 2001

		ŀ					-				1 - 1 × - 2 1
Investigator	Product Name Product	Prod #	Instr.	EOS Instrument	ent Output Data Froduct m Investigator Prod # Match	Prod #	Match	Accuracy Abs :: Rel	l emporal Resolution	Resol :: Cover.	Resol :: Cover.
Moore	-photosynthetic		I	AM2	Wessman, Aber	2687	Ą	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore		2696						20% :: 20%	11(16 day)	30 m :: Land/L	:: Sfc
			HIRIS	AM2	Wessman, Aber	2648	AM.	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
			HIRIS		Wessman, Aber	2687	AM.	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore	River Floodplain Extent 29	2915						20% :: 20%	IIwk	1-25 km :: Land	
		Ľ	GLRS-A	ALT	Schutz et al	2858	ΑM	100-500mm ::	1/wk, 1/yr	0.1-10 km :: Land	100-500 птт :: Sfc
Moore	Snow Liq-water Content 30	3027							IIwk	I km :: Land	:: 5/c
			HIRIS	AM2	Dozier	2943	BM	100%:: 100%	1/wk, 1/mo	50 m :: Snow/L	N/A :: Sfc
Moore	Vegetation Biomass, Green 26	39192						40% :: 15%	11(2-16 day)	500 m :: Land/R	:: Sfc
			HIRIS	AM2 1	Ustin, Wessman	2620	ВМ	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore	Vegetation Biomass, Green 26	6192	#					40%:: 15%	11(2-16 day)	30 m :: Landl	:: S/c
		\exists	HIRIS	AM2	Ustin, Wessman	7620	BM	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
Moore	Vegetation Cellulose Conc	2047						20% :: 20%	11(16 day)	30 m :: LandlL	
		1	HIRIS	AM2	Wessman, Aber	2648	M	40%:: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore	Vegetation Chlorophyll Conc 26	31_ 8	UTDIG	57.7	Tair Warmen	1346	70	2502 100	1/2 16 day)	30 m :: Landl	N/A :: Sfc
Moore	Vacantina Chicamathill Con	0396		1	Carint, ** Casalina		-	20% :: 10%	Ilder Ilwk	1 km :: LandiR	3/5
2100W		a }	HIRIS	AM2	Ustin, Wessman	2653	BM	25%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore	Veretation Extent	2721						15%:: 15%	11/9	I km :: Land	:: Sfc
			HIRIS	AM2	Ustin, Wessman	2741	₩	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore	Vegetation Leaf Water Content 27	2760						20% :: 20%	IIday. IIwk	30 m :: Land/L	:: 5/c
		l	HIRIS	AM2 \	Wessman, Goetz	2761	BM	50% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
Moore	Vegetation Lignin Conc 26	2684						20% :: 20%	11(16 day)	30 m :: Land/L	
	THE REAL PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE P		HIRIS	AM2	Wessman, Aber	2687	BM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Moore	Vegetation Water Content 27	2762						20%:: 20%	IIday, IIwk	30 m :: Land/L	:: S/c
		1	HIRIS	AM2	Wessman, Goetz	2761	AM-	50% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Mouginis-Mark	Mouginis-Mark Aerosol Conc, Stratospheric	3263							I/wk	j ::	:: Strat
		ᅥ	HIRDLS	CHEM	Barnett, Gille	1992	æ	5-10% :: 1-10%	2/day [d.n.]	4 x 4 dg :: G	1 km :: 7-30 km
Mouginis-Mark	Mouginis-Mark Aerosol Conc, Troposphaic	3264							I/wk	9::	:: Trop
		┪	HIRDLS	CHEM	Barnett, Gille	1992	Ψ¥	5-10% :: 1-10%	2/day [d,n]	4×4dg:: G	1 km :: 7-30 km
Mouginis-Mark	Monginis-Mark Eruption-Plume Dispersal	3273						I bm ::	Horbu, Hday	I km :: Landil	NIA :: Plume col
			HIRIS	AM2	Gara	2292	¥	0.05 :: 0.01	1/(2-16 day)	100m::L	Column :: Atmos
Mouginis-Mark	Mouginis-Mark Eruption-Plume HCI Content (Mass Eruption Rate) 3.	3283			_		ļ		liday		NIA :: FIRME COL
			E .	CHEM	Bea	3638	M.	01 01 01 10 10	1,416 day)	16 x 5 km :: L	100 Batter 13 C
			MES	QW S	Waters	921	\{	<=>%: 0.1-10x10-10	(LD) (AD/7)	CZ6-NZ6 :: 82. X I.U	2.5 km :: 17.5c, 70 km
			MLS	2 2	Waters	1183	¥ 2	562 (75, 55 km)	1/1/6-77-3/1/1	25 x 2 5 5 de BKS. BKN	3 km 10.65 km
Moneinie Mark	Moneinia Manh Counting Phone Heisbu	2385		2				200m(ver) ::	//day	I km :: Land/R	NIA :: Plume col
200		1	GLRS-A	ALT	Spinhime et al	1014	Ą	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Atmos
Mousinis-Mark	Eruption Plume 502 Conc Spike	3288							[near-real time?]	I km :: G	N/A :: Plume col
0		1	TES	CHEM	Beer	1370	BM	:: 600 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
		l	MLS	МО	Waters	1369	AM	:: 5x10-10	2/day [d.n.]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 30 km
Mourinis-Mark	Eruption Plume 502 Content (Mass Eruption Rate)	3289							IIday	I km :: G	NIA :: Plume col
•			TES	CHEM	Вса	1370	BM	:: 600 ppt	1 (16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
			MLS	МО	Waters	1369	ΨV	:: 5x10-10	2/day [d.n.]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 30 km
Mouginis-Mark	Mouginis-Mark Lava-Flow Advance Rate	3262						30 m(hor) ::	2/day [d,n]	30 m:: Landil	NIA :: Sfe
		1	HIRIS	AM2	Rowan, Goetz	3289	¥		1/(2-16 day)	30 m :: Land/L	N/A :: Sfc

Appendix N: IDS Input Requirements Not Met until Year 2001

Proof 6 Hestr. Pathform Investigator Proof 6 Maich Ann. 186 Recolution Proof 6 Hestr. Pathform Investigator Proof 6 Maich Ann. 186 Recolution Proof 6 Hestr. Pathform Proved 6 Proof 6		IDS Input Data Product		EOS 1	nstrument	EOS Instrument Output Data Product	Product		Accuracy	Temporal	Horizontal	Vertical
1875 1815 AAZ Revent, Gent 239 AA 10 C = 5C 11 C 14 C 10 C = 1C 14 C	Investigator		# por		Platform	Investigator	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
1936 1933 AND Reven, Genet 1929 AN 10 C = C 11 C 11 C 14 C	Mouginis-Mark		3262	HIRIS	М	Rowan, Goetz	3294	WV	10C:: 5C	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
HRIS AAZ Rowa, Good 3399 AAA 10C.5.C 1(17.16 day) 300 m; Landt, 187.	Mouginis-Mark		1266						(30m)^2 ::	21day [d.n.]	30 m :: Land/L	N/A :: Sfc
HIRIS AND Rowal Case 354 AM 10 C.: 5 C 10 C R 10 C				HIRIS	AM2	Rowan, Goetz	3299	W		1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
132 1825 1824 1844 100 1			1	HIRIS	AM2	Rowan, Goetz	3294	¥	10C:: 5C	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
1972 1972	Mouginis-Mark		3292						10 C ::	2/day [d.n]	30 m :: LandiL	NIA :: S/c
1300 1310 1310 1314				HIRIS	AM2	Rowan, Goetz	3294	ΨV	10C:: 5C	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
1300 GLRSA ALT Schotz et al 1314 BM 10 cereory 1169 10 cereory 1169 10 cereory 1169 10 cereory 1169 10 cereory 1200 120	Monginis-Mark		3302							1/day	30 m :: LondiR	NIA :: Plume col
unyer 120 CLRS.A ALT Schuz et al. 221 BM Syc-100d: 1 140py Dr CHISPAD Inter-10py CHISPAD 10m.:Landt Dim::Landt				GLRS-A	ALT	Spinhime et al	1514	BM	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Trop
ways 128.A ALT Schuz et al 3271 BM 55p-10042 145p-15p 1 Inn: Landfl 10 m.; Landfl ways 1228 ALT Schuz et al 3271 BM 55p-10042 145p-15p 10 m.; Landfl 1228 ALT Schuz et al 3271 BM 55p-10042 16p-15p 10 m.; Landfl 1228 ALT Schuz et al 231 BM 100-500mm: 16p-17p 10 m.; Landfl c-Days 128A ALT Schuz et al 231 BM 100-500mm: 16p-17p 10 m.; Landfl c-Days 128A ALT Schuz et al 231 AM 5100-500mm: 10 m.; Landfl c-Days 128A ALT Schuz et al 231 AM 10 C.S. 10 C.S. 10 m.; Landfl c-Days 122A ALT Schuz et al 231 AM 10 C.S. 1	Mouginis-Mark		3269						I cm(væ) ::	I/day	cm [7] :: [30 km^2/10]	N/A :: Sfc
Maye 1274 ALT Separate of all 231 BM 15/10/10/2 15/10/2 <t< td=""><td></td><td></td><td></td><td>GLRS-A</td><td>ALT</td><td>Schutz et al</td><td>3271</td><td>BM</td><td>5/yr-100/d ::</td><td>1/day, 1/yr</td><td>1 km :: Land/L</td><td>:: Sfc</td></t<>				GLRS-A	ALT	Schutz et al	3271	BM	5/yr-100/d ::	1/day, 1/yr	1 km :: Land/L	:: Sfc
CIRSA ALT Schare et al 271 BM Sipr-10040; 1/dev. 1	Mouginis-Mark		3274						I-5 (ver) ::	21day [d.n.]	30 m :: Land/L	N/A :: Sfc
1786 1778 1778 1278			1	GLRS-A	ALT	Schutz et al	1728	BM	5/yr-100/d ::	1/day, 1/yr	1 km :: Land/L	:: Sfc
CLRS.A ALT Doen Schatz et 2011 BM Strandy :: 1/14, 1/17 100-000 tone:: Land/R	Mouginis-Mark		3278						10 m(ver) ::	I/event	30 m :: Landil	N/A :: Sfc
1284 ALT Schwist et 2359 BM 105-500mm; 1041, 107 101-101 m; 1040 CHRS-A ALT Schwist et 2351 AM Strmbyr : 104-500 tm; 1040-101 m; 104				GLRSA		ohen, Schutz et	2831	BM	Sman/yr ::	1/yr	100-900 km :: Land/R	:: Sfc
CIRS-A ALT Sheat et al 2319 AN 100.500mm; Invit, 1/pr 100.10 km; Land	Mouginis-Mark		1284							417	30 m :: Landil	NIA :: Sfc
Cloud Cover Cloud Cover Cloud Mark Coloud Mark C	,		<u>. </u>	GLRS-A	ALT	Schutz et al	2858	BM	100-500mm ::	1 /wk, 1/yr	0.1-10 km :: Land	100-500 mm :: Sfc
Mark Volcos Temperane, English 1705 HIRIS AAA2 Rosman, Goets 1394 AAA 10C::3 C 1(10::16 ca) 1 Lan::G Mark Volcos Temperane Change 2355 HIRIS AAA2 Rosman, Goets 234 AAA 1 C::3 C 1(17c) 30 m::Land/L Acrost Exiscition Cod 2375 HIRIS AAB Rosman, Goets 234 AAA 5106::1105 1(17c) 30 m::Land/L Acrost Exiscition Cod 2375 HIRIS AAB Rosman, Goets 234 AAA 3106::1105 1(12c) 1(17c) 30 m::Land/L Cloud Cover 2036 CLRSA ALT Spinhime at a 201 AAA 3106::1105 1(12c) 1(17c) 30 m::Land/L Cloud Hiegh, Top 110 ALT Spinhime at a 2018 AAA 5106::1105 1(12c) 1(12c) 1(12c) 1(17c) 30 m::Land/L O3 Cone 1110 ALT ALT Broad, Gille 1331 AAA 5106::1105 114c; 114c; 114c; 114c; 11			L	GLRS-A	_	ohen, Schutz et	2831	Æ	S men/yr ::	1/yr	100-900 km :: Land/R	:: Sfc
HISTS AM2 Roward, Coct 3244 AM4 10 C; 3 C 1/(21 day) 30 m; Land/L	Mouginis-Mark		3290						10 C ::	[near-real time ?]	I km:: G	N/A :: Sfc
Mark Volcuo Temperative Change 3795 IIIISIS ANZ Rowani, Cloud 177 1076::5 1(17)-16 day) 30 m:: Landiff. Arronol Exindrion Conf. 2337 HIRIDS CIERSA ALT Spindinne et al. 2509 BM 5.10%::: 1(70:15 day) 3.00 m:: Landiff. Cloud Cover 2036 CLRSA ALT Spindinne et al. 2201 AM 10%:: 1(70:45 day) 2.500 fm:: Cloud Cloud Cover 2036 CLRSA ALT Spindinne et al. 2201 AM 10%:: 1(70:45 day) 2.500 fm:: Cloud Cloud Cover 2036 CLRSA ALT Spindinne et al. 2201 AM 10%:: 1(70:45) 15.200 fm:: Cloud Cloud Height, Top 1418 HIRDLS CHEM Bernet, Clile 1331 AM 5.10%:::: 1.0% 2.604 (day) 10.200 km:: Cloud O3 Cone 131 AM S.10%::: 1.10% 2.604 (day) 10.200 km:: Cloud 10.200 km:: Cloud Tres CREM Bernet, Clile 1331 <	ı		 -	HIRIS	AM2	Rowan, Goetz	3294	₹	10C:: 5C	1/(2-16 day)	30 m :: Land/L.	N/A :: Sfc
HIRLS ANZ Rowan, Cocc 3294 ANJ 10C :: 5C 1/(2-16-day) 30 m: Land/L	Mouginis-Mark		3295						1C::	11/7	30 m :: Landil	N/A :: Sfc
HIRDLS ALT Spinithme at 1 200 ALT Spinithme at 2 200 ALT Spinithme at 2 200 ALT Spinithme at 2 200 ALT Spinithme at 2 200 ALT Spinithme at 2 200 ALT 200 A			•	HIRIS	AM2	Rowan, Goetz	3294	AM.	10C:: 5C	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
HRDLS CHEM Branch Gille 1992 BM Si048; Li10% 2day [da] 444 dg; C Cloud Cover 2003 CLRS.A ALT Syindine at a 2201 AM 14%; Li10% 1/(2.16 day) 2.200 bm; C Cloud Hight, Top 1418 HRDLS CHEM Branch, Gille 1331 AM 1.6%; Li10% 2day [da] 4.44 dg; C Cloud Hight, Top 1418 HRDLS CHEM Branch, Gille 1319 AM C-3%; Li10% 2day [da] 0.1.4.2.5 dg; BS.46N 1.00 m; C Cloud Hight, Top 1/(1.0 + 1.0	Murakami		1327						5-10% ::		9::	N/A :: Atmos
Cloud Cover 2039 Cloud Cover 2039 Cloud Cover 2030 Cloud Cover 2030 Cloud Cover 2030 Cloud Cover 2030 Cloud March Coloud Cover 1310 Cloud March Coloud Cover 1310 Cloud March Coloud Cover 1310 Cloud March Coloud Cover 1310 Cloud March Coloud			L	HIRDLS	CHEM	Barnett, Gille	1992	BM	5.10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7.30 km
Cloud Height, Top 1418 ALT Spinhime 2078 AM 148::::::::::::::::::::::::::::::::::::			-	GLRS-A	ALT	Spinhime et al	2291	₩	20% ::	1/(2-16 day)	2-200 km :: G	N/A :: Atmos
Class	Murakani		2058						10%::			N/A :: Cloud
Cloud Height, Top 1410 HIRDLS CHEM Barnet, Gille 131 AM 5.10%::5.10% 2/day [d.n] 4x 4 dg:: G 03 Conc 1310 MLS CHEM Barnet, Gille 1318 BM 5.10%::1.10% 2/day [d.n] 4x 4 dg:: G MLS MO Walers 1319 AM :5.10%::1.10% 2/day [d.n] 0.1x 25 dg:: B2N-825 ASTRE MO Walers 1320 AM :5.86 (10.70 km) 1/(18-72.9)(7) 25x 25-56;: B6S-868 TES CHEM Beer 1320 AM :3.9pb 1/(16 day) 16x 3 km:: G TES CHEM Beer 1324 AM :3.ppb 1/(16 day) 16x 3 km:: G Topographic Elevator, Sea_3fc 312 AM :3.ppb 1/(16 day) 16x 3 km:: G Trace Gac Coac Coac Coac Coac Coac Coac Coac Co				GLRS-A	ALT	Spinhime	2078	AM	1%::	1/(2-16 day)	10-200 km :: G	N/A::
O3 Conc. 1310 AM 5.10% :: 5.10% 2day [d,h] 4 x 4 dg :: G O3 Conc. 1310 MLS No. Nines 1318 AM c.s.3% :: 150% :: 5.10% 2day [d,h] 4 x 4 dg :: G MLS MLS MO Wines 1319 AM c.s.3% :: 10.00 km) 2day [d,h] 0.1 x 2.5 dg :: 82N-825 SAPINE MO Rusedl 1320 AM c.s.3% :: 10.00 km) 1/(16 dy) 0.1 x 2.5 dg :: 82N-825 TFS CHEM Beer 1323 AM c.s.3% :: 10.00 km) 1/(16 dy) 16 x 2.5 x 2.5 s dg :: 82N-825 TFS CHEM Beer 1323 AM c.s.3% :: 10.00 km) 1/(16 dy) 16 x 2.5 x 2.5 s dg :: 82N-825 Trace Gue Conc 1372 AM c.s.10 pbb 1/(16 dy) 16 x 2.5 x 2.5 s dg :: 82N-825 Trace Gue Conc 1374 ALT AL AL 200 cm 1/(16 dy) 16 x 2.5 km:: 0 cm Trace Gue Conc 1374 AL 3112 AM 5.10% :: 1-10% 2/day [d,n] 4 x 4 dg :: 0<	Murakami		1418						l lon ::			:: Cloud
O3 Conc 1310 HIRDLS CHEM Bernett, Gille 1318 RM 5-10%:::-100% 2/day [d.n] 4.3.4 dg:::G MLS MG Wassell 1319 AM <-3%::10%::-100%				HIRDLS	CHEM	Barnett, Gille	1531	AM	5-10% :: 5-10%	2/day [d.n]	4x4dg:: G	0.4 km :: Trop
HIRDLS CHEM Barnett, Gile 1318 BM \$-10461-1046 2day [d.n] 0.11x25 dg.: 82N-825	Murakami		13.10	*					:: %01			NIA :: TOA
MLS MO Waters 1319 AM C=3%:19k(<50km) 2/day [d.n] 0.1x.25 dg::82X-82S SAFIRE MO Russell 1320 AM ::5% (10-70 km) 1/(18-72 s)[7] 25.12.5-5 dg::82S-80X TES CHEM Beer 1324 AM ::13 ppb 1/(16 day) 160x.23 km::G TES CHEM Beer 1324 AM ::13 ppb 1/(16 day) 160x.23 km::G TES CHEM Beer 1324 AM ::13 ppb 1/(16 day) 160x.23 km::G Tes CHEM Beer 1324 AM ::13 ppb 1/(16 day) 160x.23 km::G Tes CHEM Beer 1324 AM ::13 ppb 1/(16 day) 160x.23 km::G Tes CHEM Beer 1324 AM ::13 ppb 1/(16 day) 160x.23 km::G Trace Gas Conc 1374 ALT ALT Ru 3112 AM 10 cm:: 1/(16 day) 25 km::G cen Trace Gas Conc 1374 ALT ALT Ru 3112 AM 5-10%::-1-0% 2/day [d.n] 4x4 dg::G HIRDLS CHEM Bernett, Gille 1065 BM 5-10%::-1-0% 2/day [d.n] 4x4 dg::G HIRDLS CHEM Bernett, Gille 1065 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G SAFIRE MO Russell 1066 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G HIRDLS CHEM Bernett, Gille 1065 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G HIRDLS CHEM Bernett, Gille 1065 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G HIRDLS CHEM Bernett, Gille 1065 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G SAFIRE MO Russell 1066 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G HIRDLS CHEM Bernett, Gille 1065 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G HIRDLS CHEM Bernett, Gille 1065 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G HIRDLS CHEM Bernett, Gille 1065 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G HIRDLS CHEM Bernett, Gille 1065 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G HIRDLS CHEM Bernett, Gille 1065 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G HIRDLS CHEM Bernett, Gille 1065 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G HIRDLS CHEM Bernett, Gille 1065 BM 5-10%::-1-10% 2/day [d.n] 4x4 dg::G			1	HIRDLS	CHEM	Barnett, Gille	1318	BM	5-10% :: 1-10%	2/day [d,n]	4x4dg:: G	1 km :: 7-80 km
Tes CHEM Beer 132				MLS	MO	Waters	1319	Æ	<= 3% :: 1%(<50km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 110 km
TES CHEM Beer 1324 AM :: 20 ppb I/(16 day) I/(0 da				SAFIRE	MO	Russell	1320	¥	:: 5% (10-70 km)	1/(18-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	1.5-3 km:: 10-100 km
TES CHEM Beer 1324 AM ::3 ppb 1/(16 day) 160 x 23 km :: G TES CHEM Beer 1325 AM ::13 ppb 1/(16 day) 16 x 5 km :: G Tes CHEM Beer 1325 AM ::13 ppb 1/(16 day) 16 x 5 km :: G ALT ALT Ru 3112 AM 10 cm ::			٠	TES	CHEM	Bear	1323	Æ	:: 20 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
TES CHEM Beer 1325 AM ::13 ppb 1/(16 day) 16 x 5 km; G Topographic Elevaton, Sea_sfc 3172 ALT ALT Pa 3108 BM 5cm ct al :: 1/(16 day) 25 km; Ocean 1 ALT ALT ALT Pa 3112 AM 1/(16 day) 25 km; Ocean 2 Trace Gas Conc 1374 ALT ALT Pa 3112 AM 1/(16 day) 25 km; Ocean 7 Trace Gas Conc 1374 ALT ALT Barnet, Gille 1047 BM 5-10%; :1-10% 2/day [da] 4 x 4 dg; G HIRDLS CHEM Barnet, Gille 1085 BM 5-10%; :1-10% 2/day [da] 4 x 4 dg; G SAFIRE MO Russell 1086 BM 5-10%; :1-10% 2/day [da] 4 x 4 dg; G Wind Stress 1746 BM 5-10%; :1-10% 2/day [da] 4 x 4 dg; G 2 HRDLS CHEM Barnet, Gille 1239 BM				TES	CHEM	Beer	1324	AM	:: 3 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
Topographic Elevation, Sea_3f 3122 ALT ALT ALT Pau 3108 BM Scm et al :::::::::::::::::::::::::::::::::::				TES	CHEM	Beer	1325	AM	:: 13 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
ALT ALT Pa 3108 BM Scm et al 1/16 day) 25 km:: Ocean Trace Gas Conc J374 ALT ALT Pa 3112 AM 10 cm:: 7 km:: Ocean 7 km:: Ocean Trace Gas Conc J374 HRDLS CHEM Bremed, Gille 1047 BM 5.10% :: 1.0% 2/day [dz] 4 x 4 dg:: G HRDLS CHEM Bremed, Gille 1065 BM 5.10% :: 1.10% 2/day [dz] 4 x 4 dg:: G SAFIRE MO Russell 1065 BM 5.10% :: 1.10% 2/day [dz] 4 x 4 dg:: G HRDLS CHEM Berned, Gille 1239 BM 5.10% :: 1.10% 2/day [dz] 4 x 4 dg:: G HRDLS CHEM Berned, Gille 1239 BM 5.10% :: 1.10% 2/day [dz] 25 x 1.5 dg:: G Wind Stress 1746 BM 5.10% :: 1.10% 2/day [dz] 25 x 1.5 dg:: G 20 con	Murakami		3122						0:01 ::			NIA :: Sfc
ALT ALT Pa 3112 AM 10 cm :: 7 km :: Ocean 7 km :				ALT.	ALT	æ	3108	BM	1	1/(16 day)	25 km :: Ocean	N/A :: Sfc
Trace Gas Conc 1374 HRDLS CHEM Barnett, Gille 1047 BM \$-10% :: 1-10% 2/day [d.n] \$4 x 4 dg :: G HRDLS CHEM Barnett, Gille 1055 BM \$-10% :: 1-10% 2/day [d.n] \$4 x 4 dg :: G HRDLS CHEM Barnett, Gille 1085 BM \$-10% :: 1-10% 2/day [d.n] \$4 x 4 dg :: G SAFIRE MO Russell 1086 BM \$-10% :: 1-10% 2/day [d.n] \$4 x 4 dg :: G HIRDLS CHEM Barnett, Gille 1239 BM \$-10% :: 1-10% 2/day [d.n] \$4 x 4 dg :: G Wind Stress 1744 Frelich Frelich 1746 BM \$-10% :: 1-10% 2/day [d.n] \$4 x 4 dg :: G				ALT	ALT	æ	3112	ΑM	10 cm ::		7 km :: Ocean	N/A :: Sfc
HRDLS CHEM Barnet, Gille 1047 BM 5-10% 2/day [d.n] 4 x 4 dg.: G HRDLS CHEM Barnet, Gille 1055 BM 5-10% : 1-10% 2/day [d.n] 4 x 4 dg.: G HRDLS CHEM Barnet, Gille 1085 BM 5-10% : 1-10% 2/day [d.n] 4 x 4 dg.: G SAFIRE MO Russell 1086 BM :7% [15-55m) 1/(18-72 s)[?] 25 x 1-5 dg.: 865-86N HRDLS CHEM Barnet, Gille 1239 BM 5-10% : 1-10% 2/day [d.n] 4 x 4 dg.: G HRDLS CHEM Barnet, Gille 1746 BM 5-10% : 1-10% 2/day [d.n] 4 x 4 dg.: G HRDLS CHEM Freiich 1746 BM 5-10% : 1-10% 2/day [d.n] 3-10cean	Murakami		1374						20% ∷			NIA :: TOA
HRDLS CHEM Barnett, Gille 1055 BM 5-10% 2/day [d.n.] 4 x 4 dg :: G HRDLS CHEM Barnett, Gille 1085 BM 5-10% :: 1-10% 2/day [d.n.] 4 x 4 dg :: G SAFIRE MO Russell 1086 BM :: 7% (15-55m) 1/(18-72 s) [?] 25 x 1-5 dg :: 862-86N HRDLS CHEM Barnett, Gille 1239 BM 5-10% :: 1-10% 2/day [d.n.] 4 x 4 dg :: G Wind Stress 774 Freilich 746 BM 5-10% :: 1-10% 3/day [d.n.] 3.0cean Coccan Coccan 3/day [d.n.] 3/day [d.n.] 3/day [d.n.] 3/day [d.n.] 3/day [d.n.] HRDLS CHEM Freilich 746 BM 3-10% :: 1-10% 3/day [d.n.]			لب	HIRDLS	CHEM	Barnett, Gille	1047	ВМ	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-30 km
HRDLS CHEM Barnett, Gille 1085 BM 5-10% : 1-10% 2/day [d.n.] 4 x 4 dg :: O				HIRDLS	CHEM	Barnett, Gille	1055	ВМ	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-30 km
SAFIRE MO Russell 1086 BM ::7% (15-55km) 1/(18-72 s) [?] 25 s 1-5 dg::86S-86N HRDLS CHEM Burnett, Gille 1239 BM 5-10%; 1-10% 2/day [d.n.] 4 s 4 dg:: G Wind Stress 774				HIRDLS	CHEM	Barnett, Gille	1085	ВМ	5-10%:: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-65 km
HINDLS CHEM Barnett, Gille 1239 BM 5-10% : 1-10% 2/day [d.n.] 4 x 4 dg :: G				SAFIRE	МО	Russell	1086	BM	:: 7% (15-55km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-65 km
Wind Stress 1744 CHEM Fredich 1746 BM 0.01 :: Ccean :: Ocean				HIRDLS	CHEM	Burnett, Gille	1239	BM	5-10%:: 1-10%	2/day [d.n.]	4 x 4 dg :: G	1 km :: 7-60 km
STIKSCAT CHEM Freiligh 1746 BM	Murakami		1744						:: 10:0		.:: Осеан	NIA :: Sfc
			•	STIKSCAT	CHEM	Freilich	1746	BM			:: Ocean	:: Sfc

Appendix N: IDS Input Requirements Not Met until Year 2001

Investigator Pyk		ł			the second and the second			•			
Pyle	Product Name Prod #	1	Instr. P	'atform	Platform Investigator Prod # Match	Prod#	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
	Aerosol XXX	00000							2/day	9::	:: Strat
		Ξ	HIRDLS	CHEM	Burnett, Gille	1992	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-30 km
Pyk	Bro Conc 1027	<u>~</u>						25%:: 10%	2/day	15 x 4 km :: G	3 km :: Strat
		\dashv	MLS	МО	Waters	1030	BM	:: 1x10-12	l/mo. [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 15-50 km
Pyle	CFC-11(CFCB) Conc	2000	4					15% :: 5%	2/407	15x4km::G	3 km :: Strat
		-	HIRDLS	CHEM	Barnett, Gille	1055	BM	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7.30 km
Pyle	CFC-12(CF2C2) Conc 1043	3						15% :: 5%	2/day	15x4km::G	3 km :: Strat
		_	HIRDLS	CHEM	Barnett, Gille	1047	BM	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7.30 km
Pyle	CH3CI Conc 1066	9						15%::5%	2/day	15 x 4 km :: G	3 km :: Strat
			MLS	οw	Waters	1070	BM	:: 1x10-11	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 40 km
Pyle	CH4 Conc 1077	7						10% :: 5%	21403	15 x 4 km :: G	3 km :: Strat
.		_	HIRDLS	CHEM	Barnett, Gille	1085	Æ	5-10% :: 1-10%	2/day [d,n]	4x4dg:: G	1 km :: 7-65 km
		<u> </u>	SAFIRE	O _W	Russell	9801	W	:: 7% (15-55km)	1/(18-72 s) [7]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-65 km
		L	-	CHEM	Beer	1087	W	:: 14 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
		l		CHEM	Beer	1088	W	:: 30 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
		<u> </u>	-	CHEM	Beer	1089	₩	:: 40 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
Pyle	CO Conc 1119	6						15% :: 5%	2/day	15 x 4 bm :: G	2 km :: Strat
<u>, </u>			MLS	WO	Waters	1124	BM	<=5% :: 3x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 60 km
			MLS	ΘW	Waters	1125	¥	<=5%:: 1x10-5	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 60-100 km
		<u> </u>	TES	CHEM	Bee	1127	₹	:: 10 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
Pyle	CIO Conc	,					-	15% :: 5%	2/day	15x4 km :: G	3 km .: Strat
		1	MLS	ΘW	Waters	1107	BM	<=5%:: 0.3-3x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 70 km
Pule	Cloud Height, PSC	,							2/407	9::	:: Strat
		1	HIRDLS	图图	Barnett, Gille	1408	BM	0.4 km :: 0.4 km	2/day [d,n]	4 x 4 dg :: G	0.4 km :: Strat
		1_	GLRS-A	ALT	Spinhime et al	1405	¥	150 m ::	1/(2-16 day)	2-200 km :: Polar	75 m :: Strat
Pyk	H2O Conc 1819	333						10% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
		1	HIRDLS	CHEM CHEM	Barnett, Gille	1837	¥	5-10% :: 1-10%	2/day [d,n]	4×4dg:: G	1 km :: 7-80 km
		L	MLS	Q¥	Waters	1838	Ą	:: 2% <50km	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 100 km
		l	TES	CHEM	Beer	1843	W	:: 0.5 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
120	H2O2 Conc 1167							20% :: 10%	2/day	15x4km::G	3 km .: Strat
		L	SAFIRE	MO	Russell	1172	BM	:: 7% (30-35 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km:: 20-50 km
		L	MLS	MO	Waters	1171	AM	:: 1x10-10	1/day [2. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 30-40 km
Pyle	HBr Conc 1177	2	-					25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
			SAFIRE	МО	Russell	1180	BM	:: 10% (25-35 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 15-40 km
Pyle	HCI Conc 1183	S 8						15% :: 5%	2/day	15 x 4 km :: G	3 km :: Strat
,			MLS	WO	Waters	1188	æ	<=5% :: 0.1-10x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 90 km
			MIS	ΘM	Waters	1189	æ	<=5% :: 0.1-10x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 80 km
			SAFIRE	МО	Russell	1187	W	:: 5% (25-55 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-65 km
Pyle	HF Conc 1194	331 3						15% :: 5%	2/day	15 x 4 km :: G	3 km .: Strat
•			SAFIRE	МО	Russell	1197	BM	:: 15% (40-60 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km:: 40-60 km
Pyk	HNO3 Conc 1199	8						#S::: #SI	2/40y	15 x 4 km :: G	3 km :: Strat
			HIRDLS	CHEM	Barnett, Gille	1202	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 10-40 km
			MLS	МО	Waters	1203	WV	<=5% :: 5x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 46 km
			SAFIRE	MO	Russell	120	¥	:: 7% (15-40 km)	1/(18-72 s) [7]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-45 km
			TES	CHEM	Bear	1205	W	:: 3 ppt	1/(16 day)	160 x 23 km :: G	2.3 km :: 4-12 km
			TES	СНЕМ	Bear	1206	AM	:: 3 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km

Appendix N: IDS Input Requirements Not Met until Year 2001

estigator Pr	Product Name	Prod #	Inchr	Dlafform	The state of the s	-	Match	,		11021011	Vertical
	2x Conc				I washington.				Donoline	Danel Contain	
	250 41	72.10			I I I I I I I I I I I I I I I I I I I	3	141	A05 :: ACI	Kesolution	Kesol :: Cover.	Kesol :: Cover.
		0/7/	2			3		25% :: 10%	2/407	15 x 4 km :: G	3 km :: Strat
			HIKUCS	CHEM	Burnett, Gille	1202	P.W	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 10-40 km
	2 COMC	1213						25% :: 10%	2/day	15x4km::G	3 km :: Strat
		1	MLS	₩	Waters	1216	BM	:: 3-20x10-10	2/day [d,n]	0.1 x 2.5 dg :: \$2N-82S	2.5 km :: 30-80 km
			SAFTRE	MO	Russell	1217	ΑM	:: 7% (30-60 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km:: 20-75 km
	HOCI Conc	1219						25% :: 10%	2/day	15x4km::G	3 km .: Strat
			MLS	WO	Waters	1222	BM	:: 3x10-11	1/day	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 25.45 km
			SAFIRE	МО	Russell	1223	ν	:: 7% (35-40 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km:: 20-45 km
1776 1770	Irradiance, Solar	2273						%/∷	2/day	15x4km::G	3 km :: Strat
			SOLSTICE	МО	Rottman	2278	ВМ	<5%::<1%	1 / E	N/A:: N/A	AN: AN
		<u></u>	SOLSTICE	МО	Rottman	2277	ВМ	<5%∷<1%	1/4	N/A :: N/A	N/A :: NA
Pyle N20	N2O Conc	1231						15% :: 5%	2/day	15x4km::G	3 km :: Strat
			MLS	МО	Waters	1240	ВМ	<=5%:: 1-10x10-8	2/day (d,n)	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 65 km
			HIRDLS	CHEM	Barnett, Gille	1239	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-60 km
Pyte N20	N2OS Conc	1251						20% :: 10%	2)day	15x4km:: G	3 lon .: Strat
			HIRDLS	CHEM	Barnett, Gille	1254	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km:: 15-45 km
			SAFIRE	MO	Russell	1255	AM	:: 10% (20-40 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5-3 km :: 10-45 km
Pyle NO	NO Conc	1263						15% :: 5%	2/day	15x4km::G	3 km :: Strat
			MLS	MO	Waters	1266	BM	::.1-10x10-7	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 30-120 km
			TES	CHEM	Beer	1268	¥¥	:: 25 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
Pyle NO2	NO2 Conc	1270						15% :: 5%	2/day	15x4km::G	3 km :: Strad
		'	HIRDLS	CHEM	Barnett, Gille	1273	BM	5-10% :: 3-10%	2/day [d,n]	4×4dg:: G	1 кт.: 10-55 кт
			MLS	МО	Waters	1274	ΑM	:: 1-8x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2]:: 30-60 km
		ئــــا	SAFIRE	MO	Russell	1275	ΑM	:: 5% (20-55 km)	1/(18-72 s) [7]	25 x 1-5 dg :: 86S-86N	1.5 km :: 15-60 km
			TES	CHEM	Beer	1278	AM	:: 500 ppr	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
Pyle 0(3)	O(3P) Conc	1295						15%::5%	I/wk	15 x 4 km :: G	2 km :: Strat
			SAFIRE	MO	Russell	1298	ВМ	:: 15%(110-180 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 90-180 km
Pyle 03 (03 Conc	1311						5% :: 2%	2/day	15x4km::G	3 km :: Strat
			HIRDLS	CHEM	Barnett, Gille	1318	BM	5-10% :: 1-10%	2/day [d,n]	4×4dg::G	1 km:: 7-80 km
			MLS	МО	Waters	1319	BM	<= 3% :: 1%(<50km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 110 km
			SAFIRE	МО	Russell	1320	ΑМ	:: 5% (10-70 km)	1/(18-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	1.5-3 km:: 10-100 km
			TES	CHEM	Beer	1323	ΑM	:: 20 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
			TES	CHEM	Beer	1324	ΑM	:: 3 ppb	1 /(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
Pyle OCI	OCIO Conc	1350						25% :: 10%	21day	15 x 4 km :: G	3 km :: Strat
			MLS	MO	Waters	1352	WΥ	:: 3x10-11	1/mo. [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 25 km
Pyk OH	OH Conc	1211						20% :: 10%	21day	15 x 4 km :: G	2 km :: Strat
			SAFIRE	MO	Russell	1360	BM	:: 7% (30-75 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km:: 20-90 km
Pyle Tem	Temperature Profile	1281						2 K :: 0.5 K	2/day	15 x 4 km :: G	2 km :: Strat
		1	TES	SHEW EM	Bear	1614	Ψ¥	:: 2 K	1/(16 day)	16 x 5 km :: G	1 km, 4-6 km :: 0-12 km
			TES	图图	Bear	1615	¥	:: 2 K	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
		_ •	MIS	Q	Waters	609	₹	:: 2K <100km)	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 120 km
			SAFIRE	Θ	Russell	1610	₹	:: <0.5K(16-65 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km:: 10-110 km
Pyle Win	Wind Speed	1714			Ī			5 m/s :: 5 m/s	2/day	15 x 4 km :: G	2 km :: Strat
			MLS	Ş.	Waters	173	M	:: 10т/s	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 60-110 km
Richey, Basista Lake	Lake Water Chlorophyll Conc	2654						20%:: 10%	l/wk	I km :: LandIR	N/A :: TOO
			HIRIS	AM2	Carder, Melack	3314	AM-	100% :: 50%	(>=2)/day	30-90 m :: Ocean/L+Land/Lakes	

Appendix N: IDS Input Requirements Not Met until Year 2001

	100 1-11 0-1	ŀ	200		P.O. Landerson A. A. A. A. A. A. A. A. A.	4			Terretain	Useinschol	Vonting
Investigator	Product Name Product		Instr. Pla	Platform I	m Investigator Prod # Match	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Richey, Basista	Precipitable Water								11wk	I bm :: R	Column :: Trop
		Ξ	HIRIS ,	AM2	Goetz	1872	ΑM	10%::3%	1/(1-3 min), 1(2-16 day)	30m::L	Column :: Atmos
Richey, Batista	Richey, Baista Vegetation Biomass 2627							20% :: 20%	l/seas	I bn :: LandiR	NIA :: Sfc
		H	HIRIS ,	AM2 Us	Ustin, Wessman	2620	BM	30% :: 15%	1/(2-16 day)	30 m :: Lend/L	N/A :: Sfc
		H	HIRIS ,	AM2 Us	Ustin, Wessman	2614	ВМ	30% :: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Richey, Baista	Vegetation Physiography 2693							10% :: 10%	Ilmo	I bm :: LandiR	NIA :: Sfc
		H	HIRIS	AM2	Ustin	2656	AM.	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
		H	HRIS	AM2	Ustin	2657	AM-	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Richey, Batista	Vegetation Structure 2726								l/seas	I bm :: LandiR	NIA :: Sfc
			HIRIS	AM2	Ustin	2656	ΨV	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
		Ξ	ļ_		Ustin, Wessman	2741	₩	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Rothrock	Wind Velocity, Sea sfc							2 m/s :: 2 m/s	Ilday	100 km :: Potar	N/A :: New sfc
			STIKSCAT	CHEM	Freilich	1679	BM	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A:: Near_Sfc
		ĒS	L	CHEM	Freilich	1680	WY	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A:: Near_Sfc
Rothrock	Wind Velocity. Sea sfc. 1670	T						2 m/s :: 2 m/s	1/day	25 km :: Polar	NIA :: Sfc
			STIKSCAT	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
		ST		CHEM	Freilich	1679	¥	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near_Sfc
Schimel	PAR, Intercepted, (IPAR) 2264	r						10% :: 1%	IIWK	30 m :: 6 sitestL	NIA :: Sfc
		Ļ	HIRIS	AM2 U	Ustin, Wessman	2030	BM-	25%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Schimel	Veretation Chlorophyll Conc 2651							%1 :: %01	I/wk	30 m :: 6 sites/L	NIA :: Sfc
		<u>. </u>	HIRIS	AM2 U	Ustin, Wessman	2653	BM	25%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Schinel	Veretation Chlorophyll Conc 2652							10%::1%	[multiple]	[multiple] :: 6 sitestL	N/A :: Sfc
		L	HIRIS	AM2 U	Ustin, Wessman	2653	BM	25%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Schimel	Vereinion Index, Leaf Area, (LAI) 2678							10%:: 1%	Ilwk, Ilmo	30 m :: 6 sites/L	N/A :: 5/c
		Ξ	HIRIS	AM2	Ustin ct al	2746	ΑM	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
Schimel	Vegetation Lignin Conc 2685							20% :: 1%	liseas	30 m :: 6 sites/L	NIA :: Sfc
		L	HIRIS	AM2 V	Wessman, Aber	2687	BM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Schinel	Vegetation Lignin Conc 2686	<u> </u>						20% :: 1%	(multiple)	[multiple] :: 6 sites/L	N/A :: Sfc
		L	HIRIS	AM2 V	Wessman, Aber	2687	BM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Schimel	Vegetation Structure 2641							.: 5%	l/yr	30 m :: 6 sitestL	NIA :: Sfc
	•	Ξ.	HIRIS	AM2	Ustin	2657	W	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
		H	HIRIS	AM2	Ustin	2656	ΑM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Schimel	Vegetation Structure 2642	2						:: 5%	11/9"	500 m :: 6 sitestL	NIA :: Sfc
	1	_		AM2	Ustin	2657	AM	40%:: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
		=	HIRIS	AM2	Ustin	2656	AM	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Schimel	Vegetation Structure 2643	3						.: 5%	[multiple]	[multiple] :: 6 sitestL	N/A :: Sfc
	,	=	HIRIS	AM2	Ustin	2657	₩	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
		=	HIRIS	AM2	Ustin	2656	WV	40% :: 20%	1/(2-16 day)	30 m :: Land/L	N/A:: Sfc
Schoeberl	Aerosol Conc 1010	0						10% :: 5%	Ilday	200 km :: G	I Ibm :: Strat
		H	HIRDLS	CHEM	Barnett, Gille	1992	AM-	5-10%:: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-30 km
Schoeberl	Bro Conc 1028	•						20% :: 1	I/wk	8 x 10 dg :: G	2 Ibm :: Strat
		_	MLS	MO	Waters	1030	ВМ	:: 1x10-12	1/mo. [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 15-50 km
Schoebert	CFC-11(CFC13) Conc 1052	2						15% :: 10	11day	2 x 3 dg :: G	1.5 bm :: Strat
		H	HIRDLS	CHEM	Barnett, Gille	1055	BM	5-10% :: 1-10%	2/day [d.n]	4 x 4 dg :: G	1 km :: 7-30 km
Schoeberi	CFC-12(CF2CB) Conc	•						15% :: 10	liday	2 x 3 dg :: G	I S bm :: Strat
		L	HIRDLS	CHEM	Barnett, Gille	1047	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-30 km

Appendix N: IDS Input Requirements Not Met until Year 2001

Investigator Product Name Product Name Schoeber! CH3CI Conc I Schoeber! CH4 Conc I Schoeber! CO Conc I Schoeber! CO Conc I Schoeber! H2O (HDO) Conc I Schoeber! H2O Conc I Schoeber! H2O Conc I Schoeber! H2O Conc I Schoeber! HBr Conc Schoeber! HGC Conc I Schoeber! HGC Conc I Schoeber! HCI Conc Schoeber! HCI Conc I Schoeber! HCI Conc Schoeber! HCI Conc Schoeber! HCI Conc Schoeber! HGI Conc Schoeber! HGI Conc Schoeber! HGI Conc Schoeber! HGI Conc Schoeber! HGI Conc Schoeber! HGI Conc Schoeber! HGI Conc Schoeber! HGI Conc Schoeber! HI Conc HI Co	10067 1078 1170 1121	Instr. MLS	str. Platform	m Investigator Prod # Match	Prod #	Match	Abs :: Rel	Deschieffer	Resol Cover	Resol :: Cover
CH Conc CO Conc CIO Conc H2O (HDO) Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc H3O Conc H1O Conc H1O Conc	1120	MLS						Kesolucion	DESC: - COTE:	
CIO Conc CIO Conc H2O (HDO) Conc H2O Conc H2O Conc H2O Conc H2O Conc HBr Conc HGI Conc HGI Conc	1120	MLS					15% :: 20	I/wk	8x 10 dg :: G	3 km :: Stras
CO Conc CO Conc H2O (HDO) Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc H3F Conc HGI Conc HF Conc	1120		МО	Waters	1070	BM	:: 1x10-11	2/day [d,n]	0.1 x 2.5 dg :: \$2N-82S	2.5 km :: TPSE, 40 km
CO Conc CO Conc H2O (HDO) Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc H3F Conc HCI Conc	1120						15% :: 0.05	I/day	2 x 3 dg :: G	1.5 km :: Strat
CO Conc CIO Conc H2O (HDO) Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc HBr Conc HCN Conc	1120	HIRDLS	CHEM	Barnett, Gille	1065	BM	5-10% :: 1-10%	2/day [d,n]	4×4 dg :: G	1 km :: 7-65 km
CO Conc CIO Conc H2O (HDO) Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc H3O Conc H1O Conc H1O Conc	1120	SAFIRE	WO	Russell	1086	ΑM	:: 7% (15-55km)	1/(18-72 s) [7]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-65 km
CO Conc CO Conc H2O (HDO) Conc H2O Conc H2O Conc H2O Conc HCO Conc HCI Conc HCI Conc	1121	TES	CHEM	Beer	1088	ΨV	:: 30 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
CO Conc H2O (HDO) Conc H2O Conc H2O Conc H2O Conc H2O Conc HCO Conc HBr Conc HCI Conc	1121						15% :: 5	11day	2x3 dg :: G	2 km:: Trop
CO Cone H2O (HDO) Cone H2O Cone H2O Cone H2O Cone HCN Cone HGN Cone HGI Cone	1121	TES	CHEM	Bear	1128	ΑM	:: 15 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
CIO Conc H2O (HDO) Conc H2O Conc H2O Conc H2O Conc HCN Conc HGN Conc HGI Conc	11211	TES	CHEM	Beer	1129	ΑM	:: 3 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
CIO Conc H20 (HDO) Conc H20 Conc H20 Conc H20 Conc HCN Conc HCI Conc	\$011	1					15% :: 5	1/day	8 x 10 dg :: G	3 km :: Mid-atmos
CIO Conc H2O (HDO) Conc H2O Conc H2O Conc H2O Conc HCN Conc HCI Conc	5011	MLS	MO	Waters	1124	BM	<=5% :: 3x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 60 km
H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc HCN Conc HGF Conc HCI Conc	1105	MLS	MO	Waters	1125	BM	<=5% :: 1x10-5	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 60-100 km
H2O Cone H2O Cone H2O Cone H2O Cone H2O Cone HBr Cone HGN Cone HGI Cone	5011	TES	CHEM	Beer	1127	ΑM	:: 10 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
H2O (HDO) Conc H2O Conc H2O Conc H2O Conc HCN Conc HCI Conc							10% :: 0.02	I/day	8x 10 dg :: G	3 km :: Strat
H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc H2O Conc HBr Conc HCN Conc		MLS	МО	Waters	1107	BM	<=5%:: 0.3-3x10-10	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 70 km
H2O Conc H2O Conc H2O2 Conc HBr Conc HCN Conc HCI Conc	1856						10% :: 10%	1/day	8 x 10 dg :: G	3 km :: Strat
H2O Conc H2O Conc H2O2 Conc HBr Conc HCN Conc HCI Conc		SAFIRE	MO	Russell	1857	ВМ	:: 7% (20-50 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km:: 10-60 km
H2O Conc H2O2 Conc HBr Conc HCN Conc HCI Conc	1821						10% :: 5%1,0.05s	1/day	2x3dg::G	1.5 km :: 0-Strat
H2O Conc H2O2 Conc HBr Conc HCN Conc HCI Conc		HIRDLS	CHEM	Barnett, Gille	1837	BM	5-10% :: 1-10%	2/day [d,n]	4 x 4 dg :: G	1 km :: 7-80 km
H2O Conc H2O2 Conc HBr Conc HCN Conc HCI Conc		MLS	WO	Waters	1838	ВМ	:: 2% <50km	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 100 km
H2O Conc H2O2 Conc HBr Conc HCI Conc HCI Conc		SAFIRE	œ W	Russell	1839	¥	:: 5% (20-80 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-100 km
H2O Conc H2O2 Conc HBr Conc HCI Conc HCI Conc	1	TES	CHEM	Bear	1843	Ψ¥	:: 0.5 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
H2O Conc H2O2 Conc HBr Conc HCI Conc HCI Conc		TES	CHEM	Beer	1844	AM	:: 50 ppm	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
H2O2 Conc HBr Conc HCI Conc HF Conc	1822						10% :: 0.05	liday	4x5dg::G	2.5 km :: Meso
H2O2 Conc HBr Conc HCN Conc HCI Conc		HIRDLS	CHEM	Barnett, Gille	1837	BM	5-10% :: 1-10%	2/day [d.n.]	4×4 dg :: G	1 km :: 7-80 km
H2O2 Conc HBr Conc HCIN Conc HCI Conc HF Conc	_1	MLS	Q	Waters	1838	Ψ	:: 2% <50km	2/day [d.n.]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: TPSE, 100 km
H2O2 Conc HBr Conc HCN Conc HCI Conc HF Conc		SAFIRE	МО	Russell	1839	ΑM	:: 5% (20-80 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-100 km
HBr Conc HCN Conc HCI Conc HF Conc	8911						20% :: .11,.05s	I/wk	D :: 8 × 10 dg :: G	2 km :: Strat
HBr Conc HCI Conc HF Conc		MLS	MO	Waters	1171	BM	:: lx10-10	l/day [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 30-40 km
HBr Cone HCI Cone HF Cone HF Cone		SAFIRE	MO	Russell	1172	ΨV	:: 7% (30-35 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-50 km
HCI Conc HCI Conc HF Conc	8211						20% ∷ 1	l/wk	8 x 10 dg :: G	3 km :: Strat
HCI Cone HF Cone HF Cone		SAFIRE	МО	Russell	1180	ВМ	:: 10% (25-35 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 15-40 km
HCI Conc HF Conc HNO3 Conc	0611						20% :: 0.01	I/wk	9 :: 8 0 dg :: G	3 km :: Strat
HCI Cone HF Cone HNO3 Cone		MLS	W	Waters	1611	BM	<=5%:: 4x10-11	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 20-65 km
HCI Cone HF Cone HNO3 Cone		SAFIRE	МО	Russell	1192	ΑM	:: 35% (25-30 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 25-35 km
HF Conc HNO3 Conc	1184						15% :: 0.1	Ilday	4x5 dg :: G	2 km :: Strat
HF Conc HNO3 Conc		MLS	οW	Waters	1188	BM	<=5% :: 0.1-10x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 90 km
HF Conc HNO3 Conc	1	MLS	Q	Waters	1189	BM	<=5%:: 0.1-10x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 80 km
HF Conc HNO3 Conc		SAFIRE	WO	Russell	1187	₹	:: 5% (25-55 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 10-65 km
HNO3 Conc	1195						15% :: 0.05	Ilday	4x5 dg :: G	2 km :: Strat
HNO3 Conc		SAFIRE	MO	Russell	1197	BM	:: 15% (40-60 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 40-60 km
	1200						1.9% :: 0.1	IIday	2 x 3 dg :: G	2 lbm Strat
	_1	HIRDLS	CHEM	Barnett, Gille	1202	BM BM	5-10%:: 1-10%	2/day [d,n]	4×4 dg :: G	1 km:: 10-40 km
		MLS	Q.	Waters	1203	¥	<=5% :: 5x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: TPSE, 46 km
		SAFIRE	WO	Russell	1204	₹	:: 7% (15-40 km)	1/(18-72 s) [?]	25 x 1-5 dg :: 86S-86N	1.5 km :: 10-45 km
		TES	CHEM	Bear	1206	₹	:: 3 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km

Appendix N: IDS Input Requirements Not Met until Year 2001

1214 Product Name 1214 Instr. Platform Investigator 1216 MLS MO Where MLS MUS	I N SA	n Investigator	Prod # Match	Abs :: Rel	Resolution	Design	
1214 MLS Cone 1217 MLS MO Windry 1217	MLS SAFIRE MLS				********	Resol :: Cover.	Resol :: Cover.
MIS MO Weins 1216 1217 1217 1218 1218 1219 1211 1211 1214 1211 12	MLS SAFIRE MLS			15% :: 0.02	11day [d]	O ∷ g q g ∷ G	2 km :: Strat
120 MISS MO Russel 1217 MO Modern 1221 MO Modern 1222 MISS MO Modern 1222 MISS MO Modern 1222 MISS MO Modern 1222 MISS MO Modern 1224 MISS M	SAFIRE	Waters		:: 3-20x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 30-80 km
1207 HOCI Cone 120	MLS	Russell	1217 AM	:: 7% (30-60 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-75 km
MAS MO Water 1222 MO Water 1222 MO Water 1223 MO Water 1224 MO MO Water 1224 MO MO Water 1224 MO MO MO MO MO MO				20% :: 0.02	IIwk	8 x 10 dg :: G	3 km :: Strat
SAFIRE MO Runsel 1229 MIS MO Runsel 1229 MIS MO Runsel 1229 MIS MO Runsel 1241 MIS MO Runsel 1241 MIS MO Runsel 1241 MIS MO Runsel 1241 MIS MO Runsel 1241 MIS MO Runsel 1244 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1254 MIS MO Runsel 1255 MIS MO Runse		Waters	1222 BM	:: 3x10-11	1/day	0.1 x 2.5 dg :: 82N-82S	2.5 km :: 25-45 km
1237 HIRDLS CHEM Burnet, Gille 1249 1411 141	SAFIRE	Russell	1223 AM	:: 7% (35-40 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-45 km
HRDLS CHEM Barnet, Gille 1299 1291	1232			15% :: 10	Ilday	2 x 3 dg :: G	2 km :: Strat
MIS MO Wairer 1240		Barnett, Gille	1239 BM	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-60 km
121		Waters	1240 AM	<=5%::1-10x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 65 km
1237 HEDIS CHEM Beer 1243 HIRDIS CHEM Branct, Gille 1255 MO Conc	L	Russell	1241 AM	:: 15% (20-35 km)	1/(18-72 s) [7]	25 x 1-5 dg :: 86S-86N	1.5 km :: 20-40 km
1237 HIBDLS CHEM Barnet, Gille 1255		Bear	1243 AM	:: 10 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
HIRDLS CHEM Barnett, Gille 1254	1252			15% :: 20%	Ilday	8 x 10 dg :: G	3 km :: Strat
SAFIRE MO Russell 1255	<u> </u>	Barnett, Gille	1254 BM	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km:: 15-45 km
1264 MLS MO Conc 1264 MLS MO Waters 1266 1265	ļ_	Russell	L	:: 10% (20-40 km)	1/(18-72 s) [7]	25 x 1-5 dg :: 86S-86N	1.5-3 km:: 10-45 km
MLS MO2 Conc 1277 HIRDLS CHEM Bearen 1266				15% :: .2s,1.0m	11day [d]	4 x 5 dg :: G	2 km :: Mid-atmos
TES CHEM Beer 1268	MLS	Waters	1266 BM	::.1-10x10-7	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 30-120 km
HIRDLS CHEM Burneal, Gille 1273		_	-	:: 25 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
HIRDLS CHEM Burnet, Gille 1273	1271			:: %01	Ilday	4 x 5 dg :: G	2 km :: Mid-atmos
MIS MO Walers 1274	HIRDLS		1273 BM	5-10%:: 3-10%	2/day (d,n)	4x4dg::G	1 km:: 10-55 km
SAFIRE MO Russell 1275	⊢	\vdash	ļ.,	:: 1-8x10-8	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 30-60 km
TES CHEM Beer 1278	L	Russell	_	:: 5% (20-55 km)	1/(18-72 s) [7]	25 x 1-5 dg :: 865-86N	1.5 km :: 15-60 km
O3 Coac O4 Coac O4	-	_	1278 AM	:: 500 ppr	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
3172 HIRDLS CHEM Barnet, Gille 1318 SAFIRE MO Russell 1320 TES CHEM Berr 1324 TES CHEM Berr 1325 SAFIRE MO Russell 1327 MLS MO Russell 1327 MLS MO Russell 1326 TES CHEM Berr 1325 SAFIRE MO Russell 1326 TES CHEM Berr 1325 TES CHEM Berr 1325 SAFIRE MO Russell 1327 MLS MO Russell 1344 SAFIRE MO Russell 1345 SAFIRE MO Russell 1345 SAFIRE MO Russell 1346 SAFIRE MO R	1296			15% :: 10%	IIwk [d]	8 x 10 dg :: G	3 km :: Strat
1312 HIRDLS CHEM Barnett, Gille 1318 SAFIRE MO Russell 1320 TES CHEM Beer 1324 TES CHEM Beer 1324 TES CHEM Beer 1324 TES CHEM Beer 1324 HIRDLS CHEM Beer 1325 HIRDLS CHEM Beer 1325 HIRDLS CHEM Beer 1325 HIRDLS CHEM Beer 1325 SAFIRE MO Russell 1327 MLS MO Russell 1327 MLS MO Russell 1326 SAFIRE MO Russell 1326 MLS MO Russell 1344 SAFIRE MO Russell 1344 SAFIRE MO Russell 1345 SAFIRE MO	SAFIRE	Russell	1298 BM	:: 15%(110-180 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 90-180 km
HIRDLS CHEM Barneat, Gille 1318			_	10% :: 10%	//day	4x5de:: G	2.5 km :: Trop
SAFIRE MO Russell 1320	HIRDLS	-	1318 BM	5-10%:: 1-10%	2/day [d.n]	4 x 4 dg :: G	1 km :: 7-80 km
TES CHEM Beer 1324	↓_	-	╀	:: 5% (10-70 km)	1/(18-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	1.5-3 km:: 10-100 km
TES CHEM Beer 1325	┞	_	L	:: 3 ppb	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
03 Conc	-	_	-	:: 13 ppb	1/(16 day)	16 x 5 km :: G	4-6 km :: 0-12 km
HIRDLS CHEM Barnet, Gille 1318 MLS MO Waters 1319 SAFIRE MO Russell 1320 TES CHEM Beer 1320 TES CHEM Beer 1320 TES CHEM Beer 1320 SAFIRE MO Russell 1327 MLS MO Waters 1326 SAFIRE MO Waters 1326 MLS MO Waters 1346 SAFIRE MO Russell 1346 SAFIRE MO Russell 1346 SAFIRE MO Russell 1346 SAFIRE MO Russell 1346 SAFIRE MO Russell 1346 SAFIRE MO Russell 1346 SAFIRE MO Russell 1346 SAFIRE MO Russell 1346 SAFIRE MO Russell 1346 SAFIRE MO Waters 1352 MLS MLS MO Waters 1352 MLS MLS MAD Waters 1352 MLS MLS MAD Waters 1352 MLS MLS MAD Waters 1352 MLS MLS MAD Waters 1352 MLS MLS MAD Waters 1352 MLS MLS MAD Waters 1352 MLS MLS MAD Waters 1352 MLS MLS MAD Waters 1352 MLS MLS MAD Waters 1352 MLS MLS MAD Waters 1352 MLS MLS MAD Waters 1352 MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS MLS				10% :: 5%	IIday	2 x 3 dg :: G	1.5 km :: Mid-atmos
MI.S MO Waters 1319	HIRDLS	\vdash	1318 BM	5-10% :: 1-10%	2/day [d,n]	4x4dg::G	1 km :: 7-80 km
SAFIRE MO Russell 1320 TES CHEM Beer 1323 SAFIRE MO Russell 1327 MLS MO Waters 1325 SAFIRE MO Waters 1325 MLS MO Waters 1325 MLS MO Waters 1325 MLS MO Waters 1325 MLS MO Russell 1345 SAFIRE MO Russell 1345 SAFIRE MO Russell 1345 SAFIRE MO Russell 1345 SAFIRE MO Russell 1345 SAFIRE MO Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS Waters 1355 MLS MUS MUS Waters 1355 MLS MUS MUS Waters 1355 MUS		Waters	1319 BM	<= 3% :: 1%(<50km)	2/day [d.n]	0.1 x 2.5 dg :: 82N-82S	2.5 km (1.2) :: TPSE, 110 km
TES CHEM Beer 1323	_	Russell	L	:: 5% (10-70 km)	1/(18-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	1.5-3 km:: 10-100 km
SAFIRE MO Russell 1327	-	_	1323 AM	:: 20 pob	1/(16 day)	160 x 23 km :: G	2-3 km :: 13-30 km
MI.S MO Waters 1328			L	:: 15% (20-30 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-35 km
SAFIRE MO Russell 1329 O3(18*OOO) Conc 1342 MLS MO Waters 1336 SAFIRE MO Russell 1343 SAFIRE MO Russell 1344 OCIO Conc 1351 MLS MO Waters 1352		Waters	1328 AM	:: 10%	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 70 km
O3(18*OOO) Conc 1342 MLS MO Waters 1326 ALS MLS MO Waters 1343 SAFIRE MO Russell 1344 SAFIRE MO Russell 1344 OCIO Conc 1351 MLS MO Waters 1352	_	Russell	1329 AM	:: 10% (20-40 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-50 km
O3(18*OOO) Conc 1342 MLS MO Waters 1343 SAFIRE MO Russell 1344 SAFIRE MO Russell 1344 OCIO Conc 1351 MLS MO Waters 1352		Waters	1326 AM	:: 50%	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 20-60 km
MLS MO Water 1343 SAFIRE MO Russell 1344 SAFIRE MO Russell 1345 OCIO Conc 1351 MLS MO Waters 1352	1342			%01 :: %01	I/wk	8 x 10 dg :: G	S ton .: Strat
SAFIRE MO Russell 1344 SAFIRE MO Russell 1345 MLS MO Waters 1352		Waters	1343 BM	:: 20%	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: 20-60 km
OCIO Conc 1351 MLS MO Russell 1345 MLS MLS MO Waters 1352	_	Russell	134 AM	:: 15% (20-30 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-35 km
OCIO Conc 1351 MLS MO Waters 1352		Russell	1345 AM	:: 15% (20-35 km)	1/(36-72 s) [7]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-40 km
MLS MO Waters 1352	1351			20% :: 0.01	Ilwk [n]	8 x 10 dg :: G	3 km :: Strat
	Н	Waters	1352 AM	:: 3x10-11	1/mo. [z. mean]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 25 km
Schoebert OH Conc 1356 F F	1356			т60.,≈20. :: №01	IIday [d]	6 x 8 dg :: G	2 km :: Mid-atmos
SAFIRE MO Russell 1360	SAFIRE	Russell	1360 BM	:: 7% (30-75 km)	1/(36-72 s) [?]	25 x 2.5-5 dg :: 86S-86N	3 km :: 20-90 km

Appendix N: IDS Input Requirements Not Met until Year 2001

	1001									
Investigator	Product Name Drod #	-	ctr Pistform	m Investigator Product	Production of	Match	Accuracy	l'emporal Deschafes	Horizontal	Vertical
		_	III Donati	III VESTIK MUI	3	IVIAMACITY	A03 :: Nel	R COUNTION	nesol :: Cover.	Neson :: Cover.
Schoeberi	Kaduztion Intensity, UV						5% :: 2%	liday	:: G	:: Strat
		SOLSTICE		Rottman	2278	BM	<5%::<1%	<u>F</u>	N/A :: N/A	AN:: AN
ı		SOLSTICE	МО	Rottman	777	¥	<5%::<1%	1/4	N/A:: N/A	N/A :: NA
Schoebert S	SO2 Conc 1366						20% ::	IIwk	8 x 10 dg :: G	3 km :: Strat
		MILS	MO	Waters	1369	BM	:: 5x10-10	2/day [d,n]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 30 km
		TES	CHEM	Вса	1370	M	:: 600 ppt	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
Schoeber! 7	Temperature Profile 1582						2K:: 1K	Ilday	2x2dg :: G	2 km :: Atmos
		HIRDLS	CHEM	Barnett, Gille	9091	BM 1K	1K;2K>50km :: 0.3K;1K>50km	2/day [d,n]	4x4dg::G	1 km :: 7-80 km
		55	ALT	Melbourne	2091		1 K :: 1 K	700 ret/day	1-200 km :: G	1 km:: 5 - 50 km
		MLS	OW	Waters	6091	ΨV	:: 2К <100кт)	2/day [d.n.]	0.1 x 2.5 dg :: 82N-82S	2.5 km [1.2] :: TPSE, 120 km
		SAFIRE	L	Russell	1610	WY	:: <0.5K(16-65 km)	1/(18-72.8) [?]	25 x 1-5 de :: 86S-86N	1.5 km:: 10-110 km
		TES	Ľ	Bea	1614	Æ	:: 2 K	1/(16 dav)	16 x 5 km :: G	1 km. 4-6 km :: 0-12 km
		TES	CHEM	Bed	1615	WY	:: 2 K	1/(16 day)	160 x 23 km :: G	2.3 km 13.30 km
		E	CHEM	1	1616	NA NA	2 K	1/16 day)	160 x 23 km · G	2.3 km :: 4.12 km
College	Aerosol Ontical Demb						1	((2000))	O .: IIIV CT V OOI	1117 71 1107 6-7
		4 JG 10	114	Chichine	1000	7		(map 31 C/1)	2 :: ==1000 c	. A.W.
		STORE	+	Spunmine et al	1677	E 3	:: 94.07	(Am 01-7)/1	O :: mx 002-7	IN/A :: Aunos
		HIKIS	YW.C	Casu	7677	Ę	0.03 :: 0.01	1/(2-10 day)	IOO HIST	Column :: Atmos
Seuers	Aerosoi XXX								Community of the Control of the Cont	
		GLRS-A	ALT	Spinhirne et al	101	¥	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Аtmos
Sellers	Albedo, Cloud									
		HIRIS	AM2	Welch	2008	BM	5%:: 5%		90 m :: R	:: Cloud
Sellers	CO2 Conc 1141									
		TES	CHEM	Веа	3637	BM		1/(16 day)	16 x 5 km :: L	
Sellers	Land sfc Reflectance, Bi-directional Spectral, (BRE 2041								250-500 m :: Land	
		HIRIS	AM2	Gerstl	2035	BM	5%:: 5%	1/(16 day)	30 m :: Land/L	N/A :: Sfc
		HIRIS	AM2	Slater	2432	ΑM	3%:: 1%	1/mo	30 m :: Land/R,L	N/A :: Sfc
Sellers	PBL Height 1513									
		GLRS-A	ALT	Spinhime et al	1514	ВМ	150 m ::	1/(2-16 day)	2-200 km :: G	75 m :: Trop
Sellers	Vegetation Biomass 2628									
		HIRIS	AM2	Ustin, Wessman	<u> </u>	Æ	30%:: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
		HIRIS	AM2	Ustin, Wessman	2614	BM	30% :: 15%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Sellers	Vegetation Cover							11(1-4 day)	100 km ::	:: S/c
		HIRIS	AM2	Ustin, Wessman	2741	AM	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Simord	Albedo, Snow 2019						2% ::		:: Canada/R	NIA :: Sfc
		HIRIS	AM2	Dozier	2440	AM	5%:: 1%	1/wk, 1/mo	50 m :: Land/L	N/A :: Sfc
Simord	Cloud Cover 2056						5% ::		:: Canada/R	N/A :: Cloud
		GLRS-A	ALT	Spinhime	2078	AM	1%::	1/(2-16 day)	10-200 km :: G	N/A::
Simond	Glacier Displacement 2894						10 ст ::	Ilyr, Ilseas	:: Canada/R	NIA :: Sfe
		HIRIS	AM2	Kieffer	2895	BM	1% :: 0.2%	1/yr	30 m :: Glacier/L	N/A :: Sfc
Simord	Ice Sheet Displacement 2896		-				10 ст ::	Ilyr, Ilseas	:: Canada/R	NIA :: Sfc
	ı	GLRS-A	_	Bentley	2897	BM	10 mm/day :: 10 mm/day	1/mo	N/A :: Land/Cryo	N/A :: Sfc
		HIRIS	AM2	Kieffer	2932	ΑM	10^-6 :: variable	1/yr	100 m :: Cryo	N/A :: Sfc
Simord	Ice Sheet Elevation 2909	333					100 mm ::	11(3 mo)	10 km :: Land/R	N/A :: Sfc
		GLRS-A		Bentley	2912	BM	100 mm :: 100 mm	1/mo	75 m :: Land/Cryo	N/A :: Sfc
		ALT	ALT	Zwally	2911	ΑM	.5m-5m ::	1/yr	15 km :: Land/Cryo	N/A :: Sfc
Simord	Ice_Sheet Elevation 2910						100 mm ::	11(3 mo)	100 km :: Land	NIA :: Sfc
		ALT	ALT	Zwally	2911	BM	.5m-5m ::	1/yr	15 km :: Land/Cryo	N/A :: Sfc

Appendix N: IDS Input Requirements Not Met until Year 2001

	IDS Input Data Product	r	EOS	EOS Instrument	ent Output Data Product	Product	-	Accuracy	Temporal	Horizontal	Vertical
Investigator		Prod#	Instr.	Patform	Platform Investigator Prod # Match	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Simord		3055						100 mm ::	11(3 mo)	10 km :: Lond/R	NIA :: Sfc
		1	GLRS-A	ALT	Bentley	2912	BM-	100 mm :: 100 mm	1/mo	75 m :: Land/Cryo	N/A:: Sfc
		Ш.	ALT	ALT	Zwally	2911	BM.	.5ო-5ო ::	1/yr	15 km :: Land/Cryo	N/A :: Sfc
Simord	Ice Sheet Thickness 30	3056						100 mm ::	11(3 mo)	100 km :: Land	NIA :: Sfc
	1	_	GLRS-A	ALT	Bentley	2912	BM.	100 mm :: 100 mm	1/mo	75 m :: Land/Cryo	N/A:: Sfc
			ALT	ALT	Zwally	2911	BM-	.5m-5m ::	1År	15 km :: Land/Cryo	N/A :: Sfc
Simord	Snow State 30	3043								:: Canada/R	N/A :: S/c
		I	HIRIS	AM2	Dozier	3019	BM	5%:: 2%	1/wk, 1/mo	50 m :: Суо/L	N/A :: Sfc
		L	HIRIS	AM2	Dozier	3029	BM	5%:: 2%	1/wk, 1/mo	50 m :: Glacier/L	N/A :: Sfc
			HIRIS	AM2	Dozier	3038	Æ	200% :: 200%	1/wk, 1/mo	50 [km?] :: Snow/L	N/A :: Sfc
		-	HIRIS	AM2	Dozier	2943	AM	100%:: 100%	1/wk, 1/mo	50 m :: Snow/L	N/A :: Sfc
Simord	Vegetation Extent	2720						:: 9601		:: Canada/R	NIA :: Sfc
1			HIRIS	AM2	Ustin, Wessman	2741	¥	20%:: 10%	1/(2-16 day)	30 m :: Land/L	N/A :: Sfc
Srokosz	Level-1B Backscatter Coef. ALT 20	2096						0.2dB :: 0.1dB	11(10 day)	10 km :: Ocean (South Atlan)	NIA :: Sfc
			ALT	ALT	2	3464	BM				
Srokos	Level-1B Backscatter Coef. STIKSCAT 21	2109						0.3 dB :: 0.1 dB	1/day	25 km :: Ocean [South Atlan]	NIA :: SSC
		·	STIKSCAT	CHEM	Freilich	2108	BM	:: 0.25 dB		25 km :: G	N/A:: Sfc
Srokosz	Level-18 Backscatter Waveforms, ALT 31	3125						0.02(bin) :: 0.1dB	11(10 day)	10 km .: Ocean [South Atlan]	NIA :: Sfc
		1	ALT	ALT	Z	3464	BM				
Srokosz	Ocean Wave Height, Significant	3131						>(5m,5%) :: 0.1m	1/day	10 km :: OceanIR	NIA :: Sfc
			ALT	ALT	æ	3129	BM	>.5m,10% ::		7 km :: Ocean	N/A :: Sfc
Srokosz	Temperature Profile	1584						1 K :: 0.1 K	2/day	10 km :: Ocean [South Atlan]	
		1	TES	CHEM	Beer	1614	¥	:: 2 K	1/(16 day)	16 x 5 km :: G	1 km, 4-6 km :: 0-12 km
Srokosz	Topographic Elevaton, Sea sfc 31	3107						0.02m:: 0.01m	11(10 day)	10 km :: Ocean/R	NIA :: Sfc
		1	ALT	ALT	균	3108	ВМ	Scm et al ::	1/(16 day)	25 km :: Ocean	N/A :: Sfc
Srokosz	Wind Direction	1703						10 dg :: 1 dg	1/day	25 km :: Ocean [South Atlan]	
			STIKSCAT	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
Srokosz	Wind Speed, Sea sfc	9121						1 m/s :: 0.1 m/s	11day	25 km :: Ocean [South Atlan]	NIA :: 5fc
			STIKSCAT	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
Srokosz	Wind Velocity, Friction	1684						5%,5 dg :: .01m/s,1dg	11day	25 km :: Ocean [South Atlan]	NIA :: Sfc
			STIKSCAT	CHEM	Freilich	1680	BM	:: 10%; 16 deg	1/(2 day)	25 km :: Ocean	N/A :: Near_Sfc
		-	STIKSCAT	CHEM	Freilich	1679	VΜ	:: 7%, 16 deg	1/(2 day)	1 dg :: Ocean	N/A :: Near_Sfc
Tapley	Humidity Profile	1825						5% ::	4/407	50 km :: G	I km :: Atmos
			TES	CHEM	Bear	1842	ΑM	:: 50 ppm	1/(16 day)	160 x 23 km :: G	2-3 km :: 4-12 km
Tapley	Wind Stress	1745						10%::	4/4ay	50 km :: Ocean	NIA :: Sfc
			STIKSCAT	CHEM	Freilich	1746	BM			:: Occan	:: Sfc
Wielich	Aerosol Optical Depth 2	2289						01.0 :: 01.0	Ilday	1.25 dg :: G	NIA :: Atmos
			GLRS-A	ALT	Spinhime	2300	ΑM	20% ::	1/(2-16 day)	1-100 km :: G	
Wielichi	Cloud Cover 2	2022						2%::2%	1/(15 day)		NIA :: Atmos
			HIRIS	AM2	Welch	2079	BM	1%:: 0.5%	1/(1-3 min), 1/(2-16 day)	y) 30m::L	:: Cloud
Wielich	Cloud Drop Phase	1760						25% :: 10%	11(16 day)	.03-10 km :: R	NIA :: Atmos
			HIRIS	AM2	Welch	1762	AM		1/(2-16 day)	30 m :: L	N/A:: Cloud
Wielich	Cloud Drop Size	1221						25% :: 10%	1/(16 day)	.03-10 km :: R	N/A :: Atmos
	•		HIRLS	AM2	Welch	1776	νw	20% :: 10%	1/(2-16 day)	30 m :: L	:: Cloud
			HIRIS	AM2	Welch	1778	ΨV	10 um ::	1/(2-16 day)	30 m :: L	:: Cloud
Wielich	Cloud Height, Base	1387						0.1 km :: 0.1 km	11(16 day)	0.2 km :: R	0.1 km .: Atmos
			GLRS-A	ALT	Spinhime et al		WV	75 m ::	1/(2-16 day)	.2-100 km :: G	75 m :: Cloud
			HIRIS	AM2	Welch	1390	νм	50 m :: 50 m	1/(2-16 day)	30 m :: L	N/A :: Cloud

Appendix N: IDS Input Requirements Not Met until Year 2001

	IDS Input Data Product		EOS	Instrument	EOS Instrument Output Data Product	Produc		Accuracy	Temporal	Horizontal	Vertical
Investigator	nvestigator Product Name	Prod #	Instr.	Platform	Prod # Instr. Platform Investigator Prod # Match	Prod #	Match	Abs :: Rel	Resolution	Resol :: Cover.	Resol :: Cover.
Wielicki	Cloud Height, Top	1451						0.1 km :: 0.1 km	11(16 day)	0.2 km :: R	0.1 km :: Atmos
		1	GLRS-A	ALT	Spinhirme et al	1425	AM	75 m ::	1/(2-16 day)	200 m :: G	75 m :: Cloud
			HIRIS	AM2	Welch, Goetz	1426	AM	500 m :: 250 m	1/(2-16 day)	30 m :: L	N/A :: Cloud
Wielicki	Cloud Reflectance, Bi-directional, (BRDF)	2423						5%::2%	1/day	0.2-2 tm :: R	N/A :: Cloud
			HIRIS	AM2	Welch	2037	Æ	.: 1%		30 m :: R	:: Cloud

IDS Input Requirements Not Met at All by EOS Instruments

Appendix O

Science Processing Support Office (SPSO)

Goddard Space Flight Center

August 1992

		,

Appendix O: IDS Input Requirements Not Met at All by EOS Instruments

Investigator	IDS Input Data Product Name	Prod#	Accuracy	Temporal	Horizontal	Vertical
			Abs :: Real	Resolution	Resol :: Cover.	Resol :: Cover.
Abbott	Ocean Productivity, Primary, Near sfc	2598		1/(1-2 day)	1-4 km :: Ocean [Southern]	N/A :: Near_sfc
Abbott	Wind Velocity	1754	10%,<20dg::5%	1/(1-2 day)	25 km :: Ocean [Southern]	1 km :: Trop
Ваттоп	Erosion Rock Weathering	2807		1/mission	10 km :: Land/R	N/A :: Sfc
Barron	Erosion Rock Weathering	2808		1/mission	100 km :: Land	N/A :: Sfc
Валтон	Radiative Flux, LW	2186	10:: 5	1/day	30 m :: L	N/A :: Sfc
Barron	Radiative Flux, SW	2236	10:: 5	1/day	30 m :: L	N/A :: Sfc
Ваттоп	River Channel Geometry	2888	10% :: 10%	1/scas	1 m :: Land/L	N/A :: Sfc
Ватгол	River Extent	3063	10%:: 10%	1/day	30 m :: Land/L	N/A :: Sfc
Barron	River Extent	3064	10% :: 10%	1/day	10 km :: Land/R	N/A :: Sfc
Barron	Snow Water Equivalent	2998	10% :: 10%	1/day	10 km :: Land/R	N/A :: Sfc
Barron	Snow Water Equivalent	2999	10% :: 10%	1/day	30 m :: Land/L	N/A :: Sfc
Ваттоп	Soil Moisture	2948	0.05 :: 0.02	1/day	30 m :: Land/L	N/A :: Sfc
Barron	Suspended-Solids Conc, River Water	2805	25% ::		10 km :: Land/R-Rivers	N/A :: Sfc
Вагтоп	Vegetation Moisture, Root-zone	2950	0.1 :: 0.05	1/day	100 km :: Land	N/A :: Sub_sfc
Ваттоп	Vegetation Moisture, Root-zone	2951	0.1 :: 0.05	1/day	10 km :: Land/R	N/A :: Sfc
Ваттол	Vegetation Moisture, Root-zone	2952	0.1 :: 0.05	1/day	30 m :: Land/L	N/A :: Sub_sfc
Ваттоп	Wind Velocity	1650	1 m/s :: 0.5 m/s	1/day	30 m :: L	1 km :: 0-12 km
Barron	Wind Velocity	1651	1 m/s :: 0.5 m/s	1/day	10 km :: R	1 km :: 0-12 km
Barron	Wind Velocity	1652	1 m/s :: 0.5 m/s	1/day	100 km :: L	1 km :: 0-12 km
Barron	Wind Velocity, Land sfc	1654	1::1	1/day	100 km :: Land	N/A :: Sfc
Barron	Wind Velocity, Land sfc	1655	1::1	1/day	30 m :: Land/L	N/A :: Sfc
Barron	Wind Velocity, Land sfc	1656	1::1	1/day	10 km :: Land/R	N/A :: Sfc
Bates	Angular Momentum	1378	1%::		9 ::	:: Atmos
Bates	Cloud Radiative Forcing	2421		1/wk	500 km :: G	:: Atmos
Bates	Heat Flux, Latent	1464	10:: 10	1/day	100 km :: Ocean	N/A :: Sfc
Bates	Heat Flux, Latent	1465	:: 20%	1/(3 day)	100 km :: >60 dgLAT	
Bates	Heat Flux, Sensible	1476	:: 20%	1/day	100 km :: > 60 dgLAT	
Bates	Heating, Latent	1463			25 km :: G	10 Ivl :: Trop
Bates	Ocean Water Salinity	3080		1/(3 day)	100 km :: > 60 dgLAT	:: T00
Bates	Ocean Water Temperature, Internal	3115		1/(3 day)	100 km :: > 60 dgLAT	:: IvI [7]
Bates	Ocean Wave Power Spectrum, 2-D	3463			:: Ocean	N/A :: Sfc
Bates	Precipitation Conc, Ice	1949			10 km :: G	7 Ivl :: Trop
Bates	Precipitation Rate, Rain	1954			10 km :: G	7 lvl :: Trop
Bates	Precipitation Drop Phase, Sfc	1966			10 km :: G	N/A :: Sfc
Bates	Sea Ice Roughness	1555	100 mm ::	1/(3 mo)	:: Polar	N/A :: Sfc
Bates	Soil Moisture	2959	10-25% :: 5-10%	1/(3 day), 1/wk	60-100 m :: Land	N/A :: Sfc
Bates	Torque, Friction	1640	5%::		Ð::	:: Atmos
Bates	Wind Velocity	1659	:: <2 m/s	1/(12 min)	3.1 x 1.8 dg :: G	3 km :: 38-60 km
Bates	Wind Velocity	1660	:: <5 m/s	1/(12 min)	1.8 x 3.1 dg :: G	3 km :: 20-38 km
Bates	Wind Velocity	1991	1-5 m/s ::	2/day	100 km :: G	1 km :: Atmos
Bates	Wind Velocity, LAWS Line-of-sight (Level-18	3 2382				
Brewer	Heat Flux, Latent	1467		1/day, 1/scas	:: Ocean	N/A :: Sfc
Brewer	Heat Flux, Sensible	1477		1/day, 1/seas	:: Ocean	N/A :: Sfc
	Ocean Water Attenuation Coef, Diffuse	3201	25% :: TBD	1/day, 1/scas	30 m :: Ocean/L	N/A :: Sfc



Appendix O: IDS Input Requirements Not Met at All by EOS Instruments

mvesugator	LDS Input Data Product Name	Prod #	Accuracy	Temporal	Horizontal	Vertical
			Abs :: Real	Resolution	Resol :: Cover.	Resol :: Cover.
Ciblar	Level-1B Backscatter Coef, SAR_EOS	2102	2 dB :: 1 dB	1/(3 mo)	25 m :: Canada/R	N/A :: Sfc
Cihlar	Sea_sfc Reflectance Factor, MODIS-T	2438	0.05 :: 0.001	1/(3 mo)	0.5 km :: Canada/R	
Ciblar	Soil Hydraulic Properties	3492	5-10% :: 5%	ouce	1 km :: Canada/R	N/A :: Sfc
Ciblar	Vegetation Moisture, Root-zone	3501	10%:: 20%	1 wk (in grow. seas)	1 km :: Canada/R	N/A :: Sub sfc
Dickinson	Electric Conductivity	3419			<0.5-1 deg :: G	
Dickinson	Electric Field Strength, DC	3420			<0.5-1 deg :: G	
Dickinson	Heat Flux, Latent	3327			<0.5-1 deg :: Ocean	
Dickinson	Heat Flux, Sensible	3328			<0.5-1 deg :: Ocean	
Dickinson	Heating, Diabatic,	3326			<0.5-1 deg :: G	
Dickinson	Moisture Flux, Horizontal,	3356			<0.5-1 des :: G	N/A : Tron
Dickinson	Precipitation Rate, Snow	3360			<0.5-1 deg :: G	
Dickinson	Radiation Budget	3385			<0 5-1 des :: G	
Dickinson	Sea_Ice Thickness	3418			<0.5-1 deg :: Ocean/Crvo	
Dickinson	Snow Depth	3414			Med res :: Land	
Dickinson	Soil Moisture	3413			High res :: Land	
Dickinson	Vegetation Moisture, Root-zone	3399			<0.5-1 deg :: Land	The state of the s
Dickinson	Vegetation Rooting Depth	3403			<0.5-1 deg :: Land	
Dickinson	Vegetation Water Potential	3407			Low res :: Land	
Dickinson	Wind Speed, Land_sfc	3339			<0.5-1 deg :: Land	
Dickinson	Wind Velocity	3335			<0.5-1 deg :: G	
Dickinson	Wind Velocity, Divergent Horizontal	3336			<0.5-1 deg :: G	
Dickinson	Wind Velocity, Rotational Horizontal	3337			<0.5-1 deg :: G	
Dickinson	X-Ray Images	3421			<0.5-1 deg :: G	
Dozier	Heat Flux, Sfc	2131	10% :: 10%	1/wk	50 m :: Land/L	N/A :: Sfc
Dozier	Snow Water Equivalent	3000	20% :: 20%	1/wk, 1/mo	50 m :: Land/L	N/A :: Sfc
Grose	CIONO2 Conc	1108	20%:: 10%	2/day	30 x 4 dg :: G	3 km :: Strat
Grose	HNO4 Conc	1207	50% :: 10%	2/day	30 x 4 dg :: G	3 km :: Mid-atmos
Hansen	CO2 Partial Pressure	3075	2%::	1/wk	500 km :: Ocean	:: T00
Hansen	Ocean Water Salinity	3079	0.02% ::	1/wk	500 km :: Ocean	:: T00
Hansen	Ocean Water Temperature, Internal	3116		1/wk	500 km :: Ocean	:: Sub sfc
Harris	Ocean Wave Direction	3430	10::10	1/day	10 deg :: Ocean/R	
Harris	Ocean Wave Length	3432	10% :: 10%	1/day	1-10 km :: Ocean/R	
Hamis	Sea_sfc Feature position	3425	120 m :: 60 m	l wk	0.25-1 km:: Ocean/R	
Harris	Sea_sfc Feature velocity	3426	20% :: 10%	l wk	0.25-1 km:: Ocean/R	
Hartmann	Wind Velocity	1665	4 m/s :: 4 m/s	1/day	100 km :: G	:: 0-15 km
Isacks	Geodetic Site Position, Horizontal	2863	3 mm :: 1 mm	1/seas, 1/yr	point :: Land/R	N/A :: Sfc
Isacks	Geodetic Site Position, Vertical	2865	5 mm :: 2 mm	1/seas, 1/vr	point :: Land/R	N/A :: Sfc
Isacks	Pressure, Sfc	1517			:: Land/R	N/A :: Sfc
Isacks	Sand Depth	2780	0.5 :: 0.5	1/scas	50 m :: Land/L	N/A :: Sfc
Isacks	Snow Depth	3031	20%:: 20%	1/seas	30 m :: Land/L	N/A :: Sfc
Isacks	Soil Moisture	2963	10% :: 5%	1/mo, 1/yr	60-100 m :: Land/L	N/A :: Sfc
Isacks	Topographic Elevation, Land_sfc	2844	0.1::0.1	1/mission, 1/seas	1 m :: Land/L	N/A :: Sfc
Isacks	Wind Velocity	1666	:: 0.4	1/wk	100 km :: Land/R	au I ::
Variable Constitution	11	1001	201 2001			

Appendix O: IDS Input Requirements Not Met at All by EOS Instruments

mvesugator	IDS Input Data Product Name	Prod #	Accuracy Abs :: Real	Resolution	Horizontal Resol :: Cover.	Resol :: Cover.
3		2036		5/1	30 m :: Land/R	
Kerr, Sorooshian	Infutration Capacity	0667		1,7,1	20 1 OC	N/A Cf.
Kerr, Sorooshian	Land Heat Capacity	2855			SUM :: Land/K	MAN SIC
Kerr, Sorooshian	Precipitation Amount, Rain, Monthly	1957	10% :: 10%	1/mo	500 m :: Land/L	N/A :: SIC
Kerr, Sorooshian	Radiative Flux, LW, Up	2192	15% :: 15%	[diumal]	500 m :: Land/R	:: TOA
Kerr Somoshian	Soil Bulk Density	2791	5% :: 5%	1/yr	1 km :: Land	N/A :: Sfc
Kerr Somoshian	Soil Hydraulic Conditions Unsaturated	2917	0.05 ::		30 m :: Land/R	:: Stc
Kerr Somoshian	Vegetation Biomass Sub sfc	2624		1/(1-3 yr) [few yr]	1120 m :: Land/R	:: Sub_stc
Ver Somoshian	Venetation Regime Death	2707	20% :: 20%	1/41	30 m :: Land/R	
Kerr Somochian	Vegetation Sometal Registance	2709		1/seas	30 m :: Land/R	
C	Vegetation Writer Centers Interested	2758	20% 20%	2/wk	500 m :: Land/R	N/A :: Sfc
Nerr, Soroosnian	Wind Gird Commit, minglance	3021		• 1/dav	25 km :: Land	10 km :: Trop
Nem, Soloosiilan	Wild Cond I and do	1711	\$ m/e :: \$ m/e	1/4	25 km :: Land/R	N/A :: Sfc
cir, Soloosiilaii	Hart Gire I start	1468	10% - 10%	1/hr	30 m :: Land/L	N/A :: Sfc
	near rink, Latent	027	10% 10%	1/4	30 m :: Land/L	N/A :: Sfc
Tau	Heat Tink, Schools	1501	05 C/dav 5%	1/mo	500 km :: G	2 km :: Trop
ng-i	meaning water, Lateur	2051	1 C/day 59.	1/day	50 km :: R	l km :: Trop
20	Treating Nate, Latelli	2008	10% 5%	1/wk	100 m :: Land/L	N/A :: Sfc
ner.	mundauon cxicni	2001	100 100.	Thuk	500 km :: Ocean/Trop	
ne'	Ocean Water Salimity	3210	10.70 10.70 0 K V	1/day	10 km :: Ocean/R	10 m :: Sub sfc
n e	Ocean water remperature, internal	3210	N.C.O.	1/497	1 Pen :: 1 and /R	N/A :: Sfc
Lau	Precipitation Depth	1867	10.76 :: 10.76	1/day	100 m out	N/A : Sfc
ne.	Precipitation Kate	200	%O1 :: %C7	1,111	Desc 1 :: 001	NA Sfc
Lau	Precipitation Storm Depth (Precip-thickness)	1965	10% :: 10%	1/uL	TOUR :: Land/L	11/A :: 31C
Lau	Pressure, Sfc	1533	5% ::	1/day	100 km :: C	N/A :: SIC
[Jau	River Floodplain Extent	2914	10% :: 5%	1/wk	100 m :: Land/L	N/A :: Stc
Į.	Runoff	2985	5% :: 5%	1/day	:: Land/L.R	N/A :: Sfc
l au	Snow Depth	3032	5 cm :: 5 cm	1/wk	5 km :: Land/R	N/A :: Sfc
Lau	Snow Depth	3033	5 cm :: 5 cm	1/wk	30 m :: Land/R	N/A :: Sfc
[8]	Snow Water Equivalent	2996	10 mm :: 10 mm	1/wk	30 m :: Land/L	N/A :: Sfc
[80	Snow Water Equivalent	2997	10 mm :: 10 mm	1/wk	5 km :: Land/R	N/A :: Sfc
i e	Soil Moisture	2964	10%:: 5%	1/(3 day)	50 m :: Land/L	N/A :: Sfc
181	Wind Speed	1712	1 m/s :: 2%	2/day	100 km :: G	lkm::Trop
181	Wind Speed, PBL	1738	20% :: 10%	1/hr	30 m :: Land/L	N/A :: PBL
.5	Wind Velocity	1667	1::1	1/day	25 km :: Ocean	:: Trop
Moore	Inundation Extent	2939	20% :: 20%	1/wk, 1/mo	1-25 km :: Land	:: Stc
Moore	Inundation Extent	2942	20% :: 20%	1/wk	1-25 km :: Land	
Moore	Precipitation Amount. Snow	1983	10% :: 10%	1/wk	1 km :: G	
Moore	River Discharge	2889	5% :: 5%	1/wk, 1/mo	few sites :: Land	:: Stc
Moore	River Stace (Flooding)	2984		1/wk, 1/mo	point :: Land	:: Stc
Moore	Snow Water Fourivalent	3046		1/wk	1 km :: Land	:: Stc
Moore	Vecetation N Conc	2688	20% :: 20%	1/(16 day)	1 km :: Land/R	
Moore	Vecetation N Conc	2689	20% :: 20%	1/(16 day)	30 m :: Land/L	
Acresiain Mark	I eve Flow Thickness	3297	5 cm(ver) ::	1/event	30 m :: Land/L	N/A :: Sfc
Mouginis-iviark	A Debesses	2105	10.50% ::			
			:			

Appendix O: IDS Input Requirements Not Met at All by EOS Instruments

Investigator	LDS Input Data Product Name	# Prod #	Accuracy	Temporal	Horizontal	Vertical
			Abs :: Real	Resolution	Resol :: Cover.	Resol:: Cover.
Murakami	Snow Mass	3040	10%::		:: Land	N/A :: Sfc
Murakami	Wind Velocity	1668	10% :: TBD			
Pyle	BrONO2 Conc	1031	25%:: 10%	2/day	15 x 4 km :: G	3 km :: Strat
Pyle	CH3Br Conc	1061	25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
Pyle	CIONO2 Conc	1109	25% :: 10%	2/day	15 x 4 km :: G	3 km :: Strat
Richey, Batista	Lake Water Chemistry, XXX	2812	[10%],5% :: [5%],10%	1/wk	1 km :: Land/R	N/A :: Sfc
Richey, Batista	River Floodplain Extent	2913	10% :: 10%	1/seas	1 km :: Land/R	N/A :: Sfc
Richey, Batista	River Stage (Flooding)	2983	5 cm :: 5%	1/seas	100 m :: Land/R	N/A :: Sfc
Richey, Batista	River Water Attenuation Coef	3205	10%:: 10%	1/wk	1 km :: Land/R	NA:: TOO
Richey, Batista	River Water Chemistry	2809	[10%],5% :: [5%].10%	1/wk	1 km :: Land/R	N/A :: Sfc
Richey, Batista	River Water Chlorophyll Conc	2655	20% :: 10%	1/wk	1 km :: Land/R	NA:: TOO
Richey, Batista	Vegetation Moisture, Root-zone	2708	[20%],10% :: [10%],20%	1/scas	1 km :: Land/R	N/A :: Sfc
Rothrock	Ocean Water Salinity, Sub ice	3083	0.02 0/00 :: 0.02 0/00	1/(3 day)	500 km :: Polar	N/A:: TOO
Rothrock	Ocean Water Temperature, Internal	3117	0.02 K :: 0.02 K	1/(3 day)	500 km :: Polar	
Rothrock	Pressure, Sfc	1519	1 mb :: 1 mb	1/day	500 km :: Polar	N/A :: Sfc
Rothrock	Sea_Ice Temperature	2490	2 K :: 2 K	1/(3 day)	25 km :: Polar	N/A :: Sfc
Schimel	Vegetation N Conc	2690	20% :: 1%	1/seas	30 m :: 6 sites/L	N/A :: Sfc
Schimel	Vegetation N Conc	2691	20% :: 1%	[multiple]	[multiple] :: 6 sites/L	N/A :: Sfc
Schoeberl	C2H6 Conc	1037	20% :: 0.2	1/wk	8 x 10 dg :: G	3 km :: Strat
Schoeberl	CH3Br Conc	1062	20%::2	1/wk	8 x 10 dg :: G	3 km :: Strat
Schoeberl	CIONO2 Conc	1110	15% :: 0.05	1/day	8 x 10 dg :: G	3 km :: Strat
Schoeberl	DMS Conc	1158	20% :: 0.1	1/wk	8 x 10 dg :: G	3 km :: Trop
Schoeberl	Electron Energy Spectra	3226	20% :: 15%	1/day	5 dgLAT :: G	N/A:: 50-700 km
Schoeberl	HNO4 Conc	1208	20% :: 0.02	1/wk	8 x 10 dg :: G	3 km :: Strat
Schoeberl	OCS Conc	1354	20% :: 0.1	1/wk	8 x 10 dg :: G	3 km :: Strat
Schoeberl	PAN Conc	1365	20% :: 0.01	1/day	8 x 10 dg :: G	3 km :: Strat
Schoeberl	Proton Energy Spectra	3255	20% :: 15%	1/day	5 dgLAT :: G	N/A:: 50-700 km
Schoeberi	Wind Velocity	1671	2 m/s :: 3 m/s	1/day	200 x 200 km :: G	2 km :: Strat
Schoeberl	X-Ray Energy Spectra	3258	20% :: 15%	1/day	5 dgLAT :: G	N/A :: 15-110 km
Sellers	Level-1B Radiance, MODIS-T	3485				
Sellers	Wind Speed	1715	1 m/s ::	4/day	100 km ::	0.5 km :: Trop
Simard	Snow Depth	3034	5 ст/10% ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
Simard	Snow Water Equivalent	3045	10 mm/10% ::	1/(7 day)	10 km :: Canada/R	N/A :: Sfc
Simard	Soil Hydraulic Properties	2916	10% ::		:: Canada/R	N/A :: Sfc
Simard	Vegetation Moisture, Root-zone	2953	10% ::		:: Canada/R	N/A :: Sfc
Srokosz	Level-1B Backscatter, SAR	2106	0.2 dB :: TBD	[occasional]	25 m :: Ocean [South Atlan]	N/A :: Sfc
Srokosz	Wind Velocity	1672	2m/s :: 1m/s	1/day	25 km :: Ocean [South Atlan]	500 m ::
Tapley	Pressure, Sfc	1520	1-5 mb ::	4/day	50 km :: G	N/A :: Sfc
Wielicki	Level-1B Radiance, AVHRR(ESA?)	2355	SW5%,LW.2K :: SW2%,LW.2K	2/day [d,n]	1 km :: R	N/A :: Atmos
Nieliski.	Wind Velocity	1673	5 m/c 3 m/c	4.44 (4.4)		

Quick Reference for Appendices

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